

|               | Software:              | Cone_TAP v 3.02         |                         |                  |                        |                        |   |
|---------------|------------------------|-------------------------|-------------------------|------------------|------------------------|------------------------|---|
|               | Client:                | David Nesbit            |                         |                  |                        |                        |   |
|               | Date:                  | 13-May-08               |                         |                  |                        |                        |   |
|               | Test Id:               | 113801-15               |                         |                  |                        |                        |   |
|               | Project:               | 04-163701               |                         |                  |                        |                        |   |
|               | Site:                  | 04-SF-101-8.3-9.5       |                         |                  |                        |                        |   |
|               | Location:              | San Fransico            |                         |                  |                        |                        |   |
|               | Cone Id:               | 2579.118XX              |                         |                  |                        |                        |   |
|               | GWT (ft):              |                         |                         |                  |                        |                        |   |
|               | Soil Density (pcf):    |                         |                         |                  |                        |                        |   |
|               | Surface Elev:          | 0                       |                         |                  |                        |                        |   |
|               | Northing:              | 0                       |                         |                  |                        |                        |   |
|               | Easting:               | 0                       |                         |                  |                        |                        |   |
|               |                        |                         |                         |                  |                        |                        |   |
| Depth<br>(ft) | Sleeve Stress<br>(tsf) | Tip Stress UNC<br>(tsf) | Tip Stress COR<br>(tsf) | Ratio COR<br>(%) | Pore Pressure<br>(tsf) | Inclination X<br>(deg) |   |
| 0             | 0                      | 0                       | 0                       | 0                | 0                      | 0                      | 0 |
| 0.20147       | 0                      | 20.7                    | 20.7                    | 0                | -0.02                  | -0.2                   |   |
| 0.27989       | 0.37                   | 31                      | 31                      | 1.2              | 0.03                   | 0.16                   |   |
| 0.35831       | 0.55                   | 44.3                    | 44.3                    | 1.23             | 0.11                   | 0.84                   |   |
| 0.43586       | 0.46                   | 69                      | 69                      | 0.66             | 0.28                   | 0.35                   |   |
| 0.50432       | 0.45                   | 113.5                   | 113.5                   | 0.4              | 0.3                    | -1.42                  |   |
| 0.57277       | 0.52                   | 148.2                   | 148.3                   | 0.35             | 0.42                   | 0.74                   |   |
| 0.64253       | 0.54                   | 163.4                   | 163.5                   | 0.33             | 0.42                   | 0.83                   |   |
| 0.71272       | 0.53                   | 161.1                   | 161.2                   | 0.33             | 0.55                   | 0.57                   |   |
| 0.79027       | 0.82                   | 159.4                   | 159.5                   | 0.52             | 0.31                   | -0.52                  |   |
| 0.86003       | 0.82                   | 141.9                   | 142                     | 0.58             | 0.28                   | 0.29                   |   |
| 0.93065       | 0.74                   | 132.8                   | 132.9                   | 0.56             | 0.1                    | -0.87                  |   |
| 0.99954       | 0.85                   | 130.6                   | 130.7                   | 0.65             | 0.18                   | 0.17                   |   |
| 1.06973       | 0.93                   | 142.3                   | 142.3                   | 0.65             | 0.12                   | 1.23                   |   |
| 1.14728       | 1.15                   | 146.5                   | 146.6                   | 0.78             | 0.52                   | 0.14                   |   |
| 1.2179        | 1.93                   | 177.9                   | 177.9                   | 1.08             | 0.21                   | 0.61                   |   |
| 1.28809       | 1.42                   | 190.3                   | 190.3                   | 0.74             | 0.17                   | 0.33                   |   |
| 1.35655       | 1.47                   | 179.1                   | 179.2                   | 0.82             | 0.36                   | -0.44                  |   |
| 1.4328        | 1.45                   | 159.3                   | 159.4                   | 0.91             | 0.27                   | 0.31                   |   |
| 1.50472       | 1.42                   | 138.1                   | 138.2                   | 1.03             | 0.27                   | 0.45                   |   |
| 1.57491       | 1.39                   | 106.5                   | 106.8                   | 1.3              | 1.83                   | -0.23                  |   |
| 1.63254       | 1.37                   | 114.7                   | 114.7                   | 1.19             | 0.12                   | -0.18                  |   |
| 1.6893        | 1.33                   | 134.7                   | 134.7                   | 0.98             | 0.17                   | 0.01                   |   |
| 1.74735       | 1.26                   | 147.7                   | 147.8                   | 0.85             | 0.49                   | 0.07                   |   |
| 1.80844       | 1.19                   | 159.7                   | 159.8                   | 0.75             | 0.49                   | 0.17                   |   |
| 1.88166       | 1.09                   | 170.9                   | 170.9                   | 0.64             | 0.24                   | -0.1                   |   |
| 1.94535       | 1                      | 175.1                   | 175.1                   | 0.57             | 0.16                   | 0.02                   |   |
| 2.00904       | 0.87                   | 174.3                   | 174.4                   | 0.5              | 0.1                    | 0.17                   |   |
| 2.07187       | 0.79                   | 173.5                   | 173.5                   | 0.45             | 0.09                   | 0.04                   |   |
| 2.13512       | 0.73                   | 169.4                   | 169.4                   | 0.43             | 0.09                   | -0.02                  |   |
| 2.20574       | 0.67                   | 163.7                   | 163.7                   | 0.41             | 0.07                   | 0.35                   |   |

| Depth<br>(ft) | Sleeve Stress<br>(tsf) | Tip Stress UNC<br>(tsf) | Tip Stress COR<br>(tsf) | Ratio COR<br>(%) | Pore Pressure<br>(tsf) | Inclination X<br>(deg) |
|---------------|------------------------|-------------------------|-------------------------|------------------|------------------------|------------------------|
| 2.2703        | 0.66                   | 157.8                   | 157.8                   | 0.42             | 0.04                   | 0.06                   |
| 2.33399       | 0.63                   | 151.3                   | 151.3                   | 0.41             | 0.04                   | 0                      |
| 2.39855       | 0.61                   | 144                     | 144.1                   | 0.42             | 0.04                   | 0.03                   |
| 2.46224       | 0.59                   | 138                     | 138                     | 0.43             | 0.03                   | 0.12                   |
| 2.53546       | 0.52                   | 129.8                   | 129.8                   | 0.4              | 0.01                   | -0.04                  |
| 2.59915       | 0.46                   | 121.1                   | 121.1                   | 0.38             | 0.01                   | 0.05                   |
| 2.66457       | 0.42                   | 110.6                   | 110.6                   | 0.38             | -0.01                  | 0.05                   |
| 2.72869       | 0.41                   | 101.3                   | 101.3                   | 0.4              | -0.03                  | -0.08                  |
| 2.79412       | 0.41                   | 91.6                    | 91.6                    | 0.45             | -0.04                  | 0.02                   |
| 2.86431       | 0.41                   | 85.4                    | 85.4                    | 0.48             | -0.03                  | -0.05                  |
| 2.92843       | 0.45                   | 81                      | 81                      | 0.56             | -0.02                  | -0.11                  |
| 2.99125       | 0.54                   | 75.5                    | 75.5                    | 0.71             | -0.01                  | -0.04                  |
| 3.05624       | 0.68                   | 68.2                    | 68.2                    | 1                | 0                      | -0.12                  |
| 3.12036       | 0.85                   | 59.9                    | 59.9                    | 1.41             | 0.02                   | 0.31                   |
| 3.19229       | 0.98                   | 50.3                    | 50.3                    | 1.96             | 0.02                   | 0.01                   |
| 3.25641       | 1.04                   | 40.3                    | 40.3                    | 2.59             | 0.02                   | 0.06                   |
| 3.3214        | 1.09                   | 32.6                    | 32.6                    | 3.34             | 0                      | -0.11                  |
| 3.38552       | 1.07                   | 31.1                    | 31.1                    | 3.44             | 0.02                   | 0.23                   |
| 3.44921       | 1.09                   | 42.8                    | 42.8                    | 2.56             | 0.15                   | -0.06                  |
| 3.5207        | 1.14                   | 53.8                    | 53.9                    | 2.12             | 0.16                   | 0.2                    |
| 3.58569       | 1.16                   | 53.4                    | 53.5                    | 2.16             | 0.31                   | 0.02                   |
| 3.65068       | 1.12                   | 46.3                    | 46.4                    | 2.42             | 0.53                   | 0                      |
| 3.7161        | 1.03                   | 36.8                    | 36.9                    | 2.8              | 0.27                   | -0.13                  |
| 3.78153       | 0.92                   | 29.9                    | 30                      | 3.07             | 0.21                   | 0.08                   |
| 3.85258       | 0.85                   | 24.8                    | 24.9                    | 3.42             | 0.21                   | -0.23                  |
| 3.91757       | 0.83                   | 20.4                    | 20.4                    | 4.08             | 0.2                    | 0.18                   |
| 3.98342       | 0.82                   | 16.6                    | 16.7                    | 4.93             | 0.15                   | -0.07                  |
| 4.04755       | 0.78                   | 15.5                    | 15.5                    | 5.01             | 0.17                   | -0.08                  |
| 4.1134        | 0.73                   | 15.9                    | 15.9                    | 4.6              | 0.17                   | -0.04                  |
| 4.18359       | 0.68                   | 16.4                    | 16.4                    | 4.14             | 0.16                   | -0.12                  |
| 4.24858       | 0.65                   | 16.7                    | 16.7                    | 3.89             | 0.13                   | -0.05                  |
| 4.31444       | 0.62                   | 15.9                    | 15.9                    | 3.88             | 0.08                   | -0.01                  |
| 4.37943       | 0.57                   | 15.7                    | 15.7                    | 3.63             | 0.08                   | 0.05                   |
| 4.44442       | 0.54                   | 15.2                    | 15.3                    | 3.51             | 0.08                   | -0.09                  |
| 4.51504       | 0.52                   | 14.9                    | 15                      | 3.48             | 0.08                   | 0                      |
| 4.5796        | 0.51                   | 13.7                    | 13.7                    | 3.69             | 0.1                    | 0.25                   |
| 4.64372       | 0.49                   | 12.2                    | 12.2                    | 4.05             | 0.05                   | 0.07                   |
| 4.70568       | 0.48                   | 11.6                    | 11.7                    | 4.13             | 0.07                   | -0.08                  |
| 4.7893        | 0.46                   | 13.3                    | 13.4                    | 3.47             | 0.08                   | -0.09                  |
| 5.04276       | 0.39                   | 14.6                    | 14.6                    | 2.65             | -0.06                  | 0.02                   |
| 5.10991       | 0.37                   | 14.2                    | 14.2                    | 2.6              | -0.05                  | 0.08                   |
| 5.1827        | 0.34                   | 13.1                    | 13.1                    | 2.6              | -0.08                  | -0.21                  |
| 5.24899       | 0.32                   | 12.7                    | 12.7                    | 2.54             | -0.08                  | 0.01                   |
| 5.31614       | 0.3                    | 11.8                    | 11.7                    | 2.57             | -0.07                  | -0.17                  |
| 5.382         | 0.27                   | 11.1                    | 11.1                    | 2.46             | -0.06                  | -0.04                  |

| Depth<br>(ft) | Sleeve Stress<br>(tsf) | Tip Stress UNC<br>(tsf) | Tip Stress COR<br>(tsf) | Ratio COR<br>(%) | Pore Pressure<br>(tsf) | Inclination X<br>(deg) |
|---------------|------------------------|-------------------------|-------------------------|------------------|------------------------|------------------------|
| 5.45002       | 0.23                   | 10.2                    | 10.2                    | 2.22             | -0.04                  | 0.06                   |
| 5.52498       | 0.21                   | 9.4                     | 9.4                     | 2.23             | -0.07                  | 0                      |
| 5.5917        | 0.21                   | 9                       | 9                       | 2.32             | -0.07                  | 0.14                   |
| 5.66102       | 0.17                   | 6.7                     | 6.7                     | 2.53             | -0.06                  | -0.13                  |
| 5.72731       | 0.16                   | 5.8                     | 5.8                     | 2.77             | -0.05                  | 0.07                   |
| 5.79447       | 0.15                   | 4.6                     | 4.6                     | 3.26             | -0.06                  | 0.15                   |
| 5.86986       | 0.11                   | 5.7                     | 5.7                     | 1.93             | -0.02                  | 0.05                   |
| 5.93788       | 0.1                    | 3.7                     | 3.7                     | 2.73             | -0.05                  | -0.07                  |
| 6.0059        | 0.09                   | 3.6                     | 3.6                     | 2.58             | -0.05                  | -0.17                  |
| 6.07219       | 0.1                    | 3.2                     | 3.2                     | 3.03             | -0.05                  | -0.11                  |
| 6.13978       | 0.09                   | 3.4                     | 3.4                     | 2.62             | -0.04                  | 0.04                   |
| 6.21213       | 0.09                   | 3.5                     | 3.4                     | 2.7              | -0.05                  | -0.07                  |
| 6.28015       | 0.1                    | 2.8                     | 2.8                     | 3.38             | -0.05                  | 0.05                   |
| 6.34904       | 0.1                    | 2.8                     | 2.8                     | 3.39             | -0.06                  | 0.02                   |
| 6.41707       | 0.1                    | 3.6                     | 3.6                     | 2.72             | -0.04                  | 0.06                   |
| 6.48422       | 0.17                   | 3.1                     | 3                       | 5.51             | -0.06                  | -0.13                  |
| 6.55831       | 0.19                   | 3.1                     | 3.1                     | 6.26             | -0.05                  | -0.03                  |
| 6.62633       | 0.23                   | 5.8                     | 5.8                     | 3.94             | -0.04                  | -0.08                  |
| 6.69262       | 0.23                   | 8.8                     | 8.8                     | 2.62             | -0.07                  | -0.11                  |
| 6.76238       | 0.21                   | 10.5                    | 10.5                    | 2.02             | -0.09                  | 0.12                   |
| 6.8304        | 0.2                    | 6.8                     | 6.7                     | 2.98             | -0.1                   | -0.18                  |
| 6.91099       | 0.18                   | 4.4                     | 4.4                     | 4.19             | -0.21                  | 0.17                   |
| 6.98897       | 0.18                   | 3.5                     | 3.5                     | 5.04             | -0.16                  | 0                      |
| 7.05613       | 0.16                   | 3                       | 3                       | 5.23             | -0.15                  | -0.07                  |
| 7.12545       | 0.12                   | 2.6                     | 2.6                     | 4.73             | -0.14                  | -0.11                  |
| 7.19304       | 0.12                   | 3.2                     | 3.1                     | 3.71             | -0.14                  | -0.2                   |
| 7.27103       | 0.1                    | 3.3                     | 3.3                     | 3.09             | -0.14                  | 0.06                   |
| 7.33862       | 0.1                    | 3.5                     | 3.5                     | 2.81             | -0.12                  | -0.07                  |
| 7.40577       | 0.1                    | 3.6                     | 3.6                     | 2.74             | -0.11                  | 0                      |
| 7.47293       | 0.09                   | 3.6                     | 3.6                     | 2.61             | -0.12                  | -0.18                  |
| 7.54138       | 0.09                   | 3.9                     | 3.9                     | 2.39             | -0.11                  | 0.13                   |
| 7.61374       | 0.1                    | 3.7                     | 3.7                     | 2.67             | -0.11                  | 0.19                   |
| 7.68306       | 0.1                    | 3.2                     | 3.2                     | 3.07             | -0.09                  | -0.03                  |
| 7.75065       | 0.1                    | 3                       | 2.9                     | 3.34             | -0.11                  | 0.08                   |
| 7.82647       | 0.1                    | 2.8                     | 2.8                     | 3.51             | -0.11                  | 0.06                   |
| 7.90316       | 0.1                    | 2.3                     | 2.3                     | 4.17             | -0.12                  | 0.06                   |
| 7.97248       | 0.09                   | 2.5                     | 2.5                     | 3.67             | -0.12                  | -0.05                  |
| 8.04094       | 0.07                   | 1.8                     | 1.8                     | 4.17             | -0.13                  | 0.04                   |
| 8.30046       | 0.05                   | 2.6                     | 2.5                     | 2.16             | -0.14                  | -0.07                  |
| 8.36545       | 0.06                   | 1.9                     | 1.9                     | 2.95             | -0.14                  | -0.03                  |
| 8.44041       | 0.05                   | 2                       | 2                       | 2.33             | -0.15                  | -0.08                  |
| 8.508         | 0.05                   | 2.8                     | 2.8                     | 1.87             | -0.13                  | -0.09                  |
| 8.57558       | 0.05                   | 1.9                     | 1.9                     | 2.39             | -0.14                  | -0.1                   |
| 8.64274       | 0.05                   | 1.8                     | 1.8                     | 2.88             | -0.15                  | 0.06                   |
| 8.71293       | 0.05                   | 2.1                     | 2.1                     | 2.26             | -0.13                  | -0.08                  |

| Depth<br>(ft) | Sleeve Stress<br>(tsf) | Tip Stress UNC<br>(tsf) | Tip Stress COR<br>(tsf) | Ratio COR<br>(%) | Pore Pressure<br>(tsf) | Inclination X<br>(deg) |
|---------------|------------------------|-------------------------|-------------------------|------------------|------------------------|------------------------|
| 8.78702       | 0.05                   | 2.1                     | 2.1                     | 2.53             | -0.13                  | 0.07                   |
| 8.85504       | 0.05                   | 2.3                     | 2.2                     | 2.44             | -0.13                  | 0.06                   |
| 8.92263       | 0.06                   | 2                       | 2                       | 3.16             | -0.14                  | -0.05                  |
| 8.99282       | 0.09                   | 2.4                     | 2.4                     | 3.55             | -0.13                  | 0.06                   |
| 9.06084       | 0.1                    | 2.7                     | 2.6                     | 3.6              | -0.13                  | 0.02                   |
| 9.13579       | 0.1                    | 2.5                     | 2.5                     | 3.86             | -0.12                  | -0.03                  |
| 9.20425       | 0.1                    | 6.5                     | 6.5                     | 1.6              | -0.1                   | 0.15                   |
| 9.27357       | 0.1                    | 17                      | 17                      | 0.56             | -0.1                   | -0.11                  |
| 9.34073       | 0.09                   | 27.8                    | 27.8                    | 0.33             | -0.13                  | -0.19                  |
| 9.40962       | 0.11                   | 30.6                    | 30.6                    | 0.34             | -0.13                  | -0.12                  |
| 9.485         | 0.14                   | 27.9                    | 27.9                    | 0.5              | -0.13                  | 0.03                   |
| 9.55476       | 0.17                   | 22.3                    | 22.3                    | 0.78             | -0.14                  | 0.15                   |
| 9.62451       | 0.21                   | 15.4                    | 15.4                    | 1.36             | -0.15                  | 0.05                   |
| 9.69427       | 0.22                   | 10.6                    | 10.6                    | 2.05             | -0.15                  | -0.06                  |
| 9.76316       | 0.21                   | 7.3                     | 7.3                     | 2.85             | -0.17                  | -0.16                  |
| 9.83855       | 0.19                   | 5.8                     | 5.8                     | 3.31             | -0.14                  | -0.09                  |
| 9.90744       | 0.18                   | 4.3                     | 4.2                     | 4.31             | -0.12                  | -0.04                  |
| 9.97762       | 0.17                   | 3.7                     | 3.7                     | 4.63             | -0.09                  | 0.05                   |
| 10.06384      | 0.14                   | 3.6                     | 3.6                     | 3.99             | -0.09                  | 0.02                   |
| 10.1492       | 0.1                    | 3.2                     | 3.2                     | 3.05             | -0.09                  | -0.18                  |
| 10.22242      | 0.07                   | 3.3                     | 3.3                     | 2.09             | -0.1                   | 0.04                   |
| 10.29131      | 0.07                   | 3.2                     | 3.2                     | 2.09             | -0.09                  | -0.15                  |
| 10.36193      | 0.07                   | 2.9                     | 2.9                     | 2.26             | -0.1                   | -0.07                  |
| 10.43082      | 0.07                   | 2.7                     | 2.8                     | 2.52             | 0.22                   | 0.07                   |
| 10.50101      | 0.07                   | 2.8                     | 2.8                     | 2.61             | 0.35                   | -0.1                   |
| 10.57726      | 0.06                   | 2.5                     | 2.7                     | 2.41             | 0.54                   | -0.14                  |
| 10.64528      | 0.06                   | 2.7                     | 2.8                     | 2.3              | 0.72                   | 0.04                   |
| 10.71417      | 0.05                   | 2.3                     | 2.4                     | 2.22             | 0.76                   | 0.01                   |
| 10.78436      | 0.05                   | 2.1                     | 2.3                     | 2.17             | 0.81                   | 0.05                   |
| 10.85368      | 0.05                   | 2.4                     | 2.6                     | 1.79             | 0.85                   | -0.16                  |
| 10.94207      | 0.04                   | 2.3                     | 2.4                     | 1.83             | 0.93                   | -0.1                   |
| 11.01096      | 0.05                   | 2.4                     | 2.6                     | 1.89             | 0.95                   | 0.02                   |
| 11.08028      | 0.06                   | 2.1                     | 2.3                     | 2.45             | 0.93                   | -0.1                   |
| 11.14917      | 0.06                   | 2                       | 2.2                     | 2.71             | 0.94                   | -0.16                  |
| 11.22716      | 0.05                   | 2.3                     | 2.4                     | 1.93             | 0.93                   | 0.03                   |
| 11.29778      | 0.05                   | 2.2                     | 2.4                     | 2.02             | 0.92                   | -0.08                  |
| 11.48625      | 0.05                   | 2.2                     | 2.4                     | 2.16             | 0.82                   | -0.04                  |
| 11.55557      | 0.05                   | 1.9                     | 2                       | 2.32             | 0.81                   | -0.19                  |
| 11.62706      | 0.05                   | 2.1                     | 2.3                     | 2.01             | 0.83                   | -0.34                  |
| 11.70591      | 0.05                   | 2.1                     | 2.2                     | 2.01             | 0.82                   | -0.13                  |
| 11.7761       | 0.05                   | 2                       | 2.1                     | 2.43             | 0.81                   | -0.1                   |
| 11.84672      | 0.06                   | 1.9                     | 2.1                     | 2.97             | 0.83                   | -0.15                  |
| 11.91735      | 0.06                   | 2.1                     | 2.3                     | 2.54             | 0.84                   | -0.21                  |
| 11.9897       | 0.06                   | 3.4                     | 3.6                     | 1.73             | 0.86                   | -0.26                  |
| 12.06726      | 0.06                   | 5.2                     | 5.4                     | 1.08             | 0.82                   | -0.26                  |

| Depth<br>(ft) | Sleeve Stress<br>(tsf) | Tip Stress UNC<br>(tsf) | Tip Stress COR<br>(tsf) | Ratio COR<br>(%) | Pore Pressure<br>(tsf) | Inclination X<br>(deg) |
|---------------|------------------------|-------------------------|-------------------------|------------------|------------------------|------------------------|
| 12.13831      | 0.07                   | 4.8                     | 5                       | 1.41             | 0.82                   | -0.32                  |
| 12.2098       | 0.07                   | 5.5                     | 5.6                     | 1.32             | 0.88                   | -0.12                  |
| 12.28172      | 0.08                   | 5.6                     | 5.7                     | 1.37             | 0.89                   | -0.23                  |
| 12.35278      | 0.08                   | 6.2                     | 6.4                     | 1.29             | 0.87                   | -0.15                  |
| 12.43163      | 0.08                   | 6.8                     | 7                       | 1.08             | 0.83                   | -0.17                  |
| 12.50398      | 0.07                   | 7.2                     | 7.4                     | 0.96             | 0.86                   | -0.15                  |
| 12.57547      | 0.06                   | 6.6                     | 6.8                     | 0.93             | 0.78                   | -0.28                  |
| 12.64696      | 0.05                   | 5.2                     | 5.4                     | 1.02             | 0.8                    | -0.26                  |
| 12.71802      | 0.05                   | 4.1                     | 4.2                     | 1.13             | 0.83                   | -0.17                  |
| 12.79687      | 0.05                   | 3.6                     | 3.8                     | 1.3              | 0.86                   | -0.27                  |
| 12.86923      | 0.05                   | 3.6                     | 3.7                     | 1.43             | 0.89                   | -0.16                  |
| 12.94375      | 0.05                   | 3.6                     | 3.7                     | 1.4              | 0.85                   | -0.28                  |
| 13.02867      | 0.06                   | 2.7                     | 2.8                     | 1.95             | 0.84                   | -0.15                  |
| 13.10925      | 0.06                   | 3.1                     | 3.3                     | 1.73             | 0.91                   | -0.17                  |
| 13.18724      | 0.06                   | 6.9                     | 7                       | 0.9              | 0.88                   | -0.21                  |
| 13.26003      | 0.06                   | 8.3                     | 8.4                     | 0.74             | 0.84                   | -0.2                   |
| 13.33109      | 0.06                   | 10.7                    | 10.9                    | 0.53             | 0.85                   | -0.18                  |
| 13.40257      | 0.06                   | 13.2                    | 13.3                    | 0.45             | 0.85                   | -0.34                  |
| 13.47493      | 0.06                   | 13.3                    | 13.5                    | 0.46             | 0.86                   | -0.44                  |
| 13.55378      | 0.08                   | 16.9                    | 17                      | 0.45             | 0.82                   | -0.24                  |
| 13.62614      | 0.1                    | 19.3                    | 19.5                    | 0.49             | 0.84                   | -0.31                  |
| 13.70759      | 0.1                    | 21.1                    | 21.2                    | 0.46             | 0.82                   | -0.2                   |
| 13.77908      | 0.11                   | 23.4                    | 23.6                    | 0.46             | 0.83                   | -0.37                  |
| 13.85187      | 0.14                   | 25.8                    | 26                      | 0.54             | 0.84                   | -0.49                  |
| 13.93332      | 0.16                   | 33.1                    | 33.3                    | 0.49             | 0.87                   | -0.48                  |
| 14.00524      | 0.18                   | 45.8                    | 45.9                    | 0.4              | 0.84                   | -0.25                  |
| 14.07717      | 0.2                    | 54.4                    | 54.6                    | 0.37             | 0.8                    | -0.24                  |
| 14.15039      | 0.22                   | 61.6                    | 61.7                    | 0.35             | 0.71                   | -0.34                  |
| 14.22274      | 0.23                   | 68.7                    | 68.8                    | 0.33             | 0.74                   | -0.3                   |
| 14.29986      | 0.24                   | 77.8                    | 77.9                    | 0.31             | 0.73                   | -0.32                  |
| 14.37135      | 0.25                   | 88.5                    | 88.6                    | 0.28             | 0.72                   | -0.33                  |
| 14.44501      | 0.27                   | 97.7                    | 97.8                    | 0.27             | 0.64                   | -0.2                   |
| 14.5178       | 0.27                   | 102.5                   | 102.6                   | 0.26             | 0.61                   | -0.28                  |
| 14.74266      | 0.35                   | 110.7                   | 110.9                   | 0.31             | 0.59                   | -0.46                  |
| 14.81674      | 0.38                   | 111.4                   | 111.5                   | 0.34             | 0.6                    | -0.35                  |
| 14.89083      | 0.39                   | 111.3                   | 111.4                   | 0.35             | 0.59                   | -0.38                  |
| 14.97142      | 0.38                   | 108                     | 108.1                   | 0.35             | 0.59                   | -0.24                  |
| 15.04594      | 0.38                   | 108.4                   | 108.5                   | 0.35             | 0.59                   | -0.34                  |
| 15.12003      | 0.39                   | 114.2                   | 114.4                   | 0.34             | 0.6                    | -0.37                  |
| 15.19672      | 0.4                    | 124.8                   | 124.9                   | 0.32             | 0.6                    | -0.4                   |
| 15.27254      | 0.42                   | 134.4                   | 134.5                   | 0.31             | 0.65                   | -0.09                  |
| 15.35573      | 0.45                   | 138.1                   | 138.3                   | 0.32             | 0.62                   | -0.38                  |
| 15.43328      | 0.48                   | 138.6                   | 138.7                   | 0.35             | 0.61                   | -0.3                   |
| 15.50867      | 0.5                    | 138                     | 138.1                   | 0.36             | 0.6                    | -0.4                   |
| 15.58622      | 0.49                   | 136.5                   | 136.6                   | 0.36             | 0.6                    | -0.23                  |

| Depth<br>(ft) | Sleeve Stress<br>(tsf) | Tip Stress UNC<br>(tsf) | Tip Stress COR<br>(tsf) | Ratio COR<br>(%) | Pore Pressure<br>(tsf) | Inclination X<br>(deg) |
|---------------|------------------------|-------------------------|-------------------------|------------------|------------------------|------------------------|
| 15.66291      | 0.46                   | 133.6                   | 133.7                   | 0.35             | 0.58                   | -0.26                  |
| 15.74653      | 0.43                   | 130.9                   | 131                     | 0.33             | 0.56                   | -0.33                  |
| 15.82365      | 0.39                   | 128.1                   | 128.2                   | 0.3              | 0.57                   | -0.53                  |
| 15.89947      | 0.35                   | 123.7                   | 123.8                   | 0.28             | 0.57                   | -0.24                  |
| 15.97572      | 0.32                   | 117.7                   | 117.8                   | 0.27             | 0.55                   | -0.39                  |
| 16.05371      | 0.3                    | 114.9                   | 115                     | 0.26             | 0.57                   | -0.31                  |
| 16.1499       | 0.27                   | 111.9                   | 112                     | 0.25             | 0.57                   | -0.47                  |
| 16.26515      | 0.26                   | 104.7                   | 104.8                   | 0.25             | 0.56                   | -0.46                  |
| 16.3427       | 0.25                   | 96.6                    | 96.7                    | 0.26             | 0.53                   | -0.4                   |
| 16.42155      | 0.24                   | 90.6                    | 90.7                    | 0.26             | 0.53                   | -0.38                  |
| 16.50474      | 0.23                   | 85                      | 85.1                    | 0.27             | 0.52                   | -0.49                  |
| 16.58273      | 0.22                   | 78.9                    | 79                      | 0.28             | 0.52                   | -0.32                  |
| 16.65941      | 0.25                   | 70.4                    | 70.5                    | 0.36             | 0.51                   | -0.35                  |
| 16.73784      | 0.31                   | 60.6                    | 60.7                    | 0.52             | 0.51                   | -0.27                  |
| 16.81452      | 0.39                   | 51.4                    | 51.5                    | 0.76             | 0.5                    | -0.32                  |
| 16.91418      | 0.49                   | 38.4                    | 38.5                    | 1.28             | 0.47                   | -0.55                  |
| 16.9913       | 0.58                   | 30.6                    | 30.7                    | 1.88             | 0.47                   | -0.34                  |
| 17.06842      | 0.57                   | 25.8                    | 25.9                    | 2.18             | 0.48                   | -0.46                  |
| 17.1438       | 0.45                   | 25.3                    | 25.5                    | 1.77             | 0.54                   | -0.26                  |
| 17.22049      | 0.35                   | 24.5                    | 24.6                    | 1.43             | 0.62                   | -0.27                  |
| 17.30281      | 0.31                   | 28.4                    | 28.5                    | 1.09             | 0.71                   | -0.38                  |
| 17.38037      | 0.29                   | 49.8                    | 49.9                    | 0.58             | 0.84                   | -0.31                  |
| 17.45749      | 0.29                   | 74.3                    | 74.4                    | 0.39             | 0.82                   | -0.39                  |
| 17.53244      | 0.32                   | 77                      | 77.1                    | 0.41             | 0.52                   | -0.4                   |
| 17.60826      | 0.35                   | 73.6                    | 73.7                    | 0.47             | 0.61                   | -0.33                  |
| 17.69405      | 0.36                   | 76.4                    | 76.5                    | 0.47             | 0.62                   | -0.51                  |
| 17.77204      | 0.34                   | 72.3                    | 72.4                    | 0.47             | 0.62                   | -0.48                  |
| 17.97524      | 0.37                   | 106.7                   | 106.8                   | 0.35             | 0.65                   | -0.39                  |
| 18.05799      | 0.39                   | 134.6                   | 134.7                   | 0.29             | 0.69                   | -0.48                  |
| 18.13641      | 0.38                   | 147                     | 147.2                   | 0.26             | 0.67                   | -0.3                   |
| 18.21397      | 0.37                   | 149.7                   | 149.8                   | 0.25             | 0.69                   | -0.33                  |
| 18.29282      | 0.35                   | 147.7                   | 147.8                   | 0.23             | 0.66                   | -0.3                   |
| 18.37081      | 0.33                   | 142.6                   | 142.7                   | 0.23             | 0.65                   | -0.49                  |
| 18.46006      | 0.35                   | 133.6                   | 133.7                   | 0.26             | 0.67                   | -0.33                  |
| 18.53718      | 0.39                   | 125.7                   | 125.8                   | 0.31             | 0.67                   | -0.27                  |
| 18.61604      | 0.44                   | 115.8                   | 115.9                   | 0.38             | 0.61                   | -0.31                  |
| 18.69619      | 0.5                    | 105.7                   | 105.9                   | 0.48             | 0.59                   | -0.24                  |
| 18.78068      | 0.55                   | 90.1                    | 90.2                    | 0.61             | 0.56                   | -0.48                  |
| 18.8643       | 0.54                   | 72.9                    | 73                      | 0.74             | 0.53                   | -0.3                   |
| 18.94445      | 0.55                   | 59.4                    | 59.5                    | 0.92             | 0.53                   | -0.4                   |
| 19.0233       | 0.54                   | 47.5                    | 47.6                    | 1.13             | 0.52                   | -0.35                  |
| 19.10259      | 0.55                   | 47.6                    | 47.7                    | 1.16             | 0.52                   | -0.28                  |
| 19.18058      | 0.59                   | 57.3                    | 57.4                    | 1.03             | 0.52                   | -0.41                  |
| 19.26723      | 0.74                   | 43.5                    | 43.6                    | 1.7              | 0.47                   | -0.46                  |
| 19.34652      | 0.78                   | 29.8                    | 29.9                    | 2.59             | 0.49                   | -0.39                  |

| Depth<br>(ft) | Sleeve Stress<br>(tsf) | Tip Stress UNC<br>(tsf) | Tip Stress COR<br>(tsf) | Ratio COR<br>(%) | Pore Pressure<br>(tsf) | Inclination X<br>(deg) |
|---------------|------------------------|-------------------------|-------------------------|------------------|------------------------|------------------------|
| 19.42667      | 0.71                   | 21.3                    | 21.4                    | 3.32             | 0.48                   | -0.54                  |
| 19.52459      | 0.62                   | 15.5                    | 15.6                    | 3.97             | 0.54                   | -0.37                  |
| 19.63724      | 0.61                   | 10.3                    | 10.4                    | 5.82             | 0.74                   | -0.32                  |
| 19.71523      | 0.53                   | 14.7                    | 14.8                    | 3.6              | 0.85                   | -0.44                  |
| 19.79581      | 0.45                   | 28.1                    | 28.5                    | 1.57             | 1.74                   | -0.45                  |
| 19.87467      | 0.38                   | 55.4                    | 55.8                    | 0.68             | 1.97                   | -0.77                  |
| 19.95352      | 0.36                   | 83.5                    | 83.8                    | 0.43             | 1.43                   | -0.62                  |
| 20.03844      | 0.38                   | 103.4                   | 103.6                   | 0.36             | 1.08                   | -0.45                  |
| 20.12769      | 0.36                   | 117.4                   | 117.6                   | 0.31             | 0.89                   | -0.71                  |
| 20.20741      | 0.32                   | 125.2                   | 125.3                   | 0.26             | 0.76                   | -0.46                  |
| 20.288        | 0.34                   | 128.8                   | 128.9                   | 0.26             | 0.73                   | -0.52                  |
| 20.36685      | 0.36                   | 133.8                   | 134                     | 0.27             | 0.75                   | -0.64                  |
| 20.45697      | 0.39                   | 134.7                   | 134.8                   | 0.29             | 0.75                   | -0.7                   |
| 20.53713      | 0.4                    | 132.8                   | 133                     | 0.3              | 0.74                   | -0.59                  |
| 20.61815      | 0.41                   | 129.5                   | 129.6                   | 0.32             | 0.72                   | -0.79                  |
| 20.70567      | 0.39                   | 122.3                   | 122.5                   | 0.32             | 0.67                   | -0.72                  |
| 20.78582      | 0.35                   | 112.3                   | 112.4                   | 0.31             | 0.65                   | -0.76                  |
| 20.87724      | 0.35                   | 98.9                    | 99                      | 0.35             | 0.63                   | -0.75                  |
| 20.95913      | 0.38                   | 85.5                    | 85.6                    | 0.45             | 0.62                   | -0.53                  |
| 21.03928      | 0.42                   | 68                      | 68.2                    | 0.62             | 0.61                   | -0.7                   |
| 21.11727      | 0.47                   | 50.3                    | 50.4                    | 0.93             | 0.57                   | -0.62                  |
| 21.19309      | 0.51                   | 37.8                    | 37.9                    | 1.35             | 0.54                   | -0.76                  |
| 21.27151      | 0.52                   | 26.1                    | 26.2                    | 1.96             | 0.54                   | -0.68                  |
| 21.35079      | 0.49                   | 17.7                    | 17.8                    | 2.76             | 0.56                   | -0.57                  |
| 21.43875      | 0.44                   | 12.3                    | 12.4                    | 3.55             | 0.61                   | -0.46                  |
| 21.51803      | 0.4                    | 10.3                    | 10.5                    | 3.86             | 0.64                   | -0.79                  |
| 21.59732      | 0.34                   | 10.1                    | 10.2                    | 3.37             | 0.79                   | -0.67                  |
| 21.67791      | 0.28                   | 9.4                     | 9.6                     | 2.95             | 0.74                   | -0.5                   |
| 21.75806      | 0.24                   | 9.5                     | 9.7                     | 2.45             | 0.93                   | -0.61                  |
| 21.84428      | 0.16                   | 11                      | 11.2                    | 1.44             | 1.11                   | -0.77                  |
| 21.92487      | 0.12                   | 10.3                    | 10.6                    | 1.11             | 1.43                   | -0.54                  |
| 22.00502      | 0.1                    | 8.3                     | 8.8                     | 1.18             | 2.23                   | -0.29                  |
| 22.08561      | 0.11                   | 8.2                     | 8.7                     | 1.23             | 2.41                   | -0.53                  |
| 22.1662       | 0.11                   | 9.2                     | 9.6                     | 1.18             | 2.25                   | -0.54                  |
| 22.25372      | 0.1                    | 7.7                     | 8.1                     | 1.26             | 1.74                   | -0.61                  |
| 22.33344      | 0.1                    | 6.6                     | 6.9                     | 1.39             | 1.78                   | -0.88                  |
| 22.41359      | 0.09                   | 5.9                     | 6.3                     | 1.44             | 1.85                   | -0.69                  |
| 22.49375      | 0.09                   | 5.7                     | 6.1                     | 1.56             | 1.91                   | -0.56                  |
| 22.57563      | 0.1                    | 5.8                     | 6.2                     | 1.59             | 1.97                   | -0.53                  |
| 22.66445      | 0.11                   | 6.1                     | 6.5                     | 1.69             | 2.01                   | -0.46                  |
| 22.74504      | 0.11                   | 6.2                     | 6.6                     | 1.7              | 2                      | -0.7                   |
| 22.82433      | 0.12                   | 6.2                     | 6.6                     | 1.82             | 2.01                   | -0.67                  |
| 22.89581      | 0.15                   | 6.9                     | 7.3                     | 1.99             | 2.03                   | -0.73                  |
| 22.96167      | 0.15                   | 7.4                     | 7.8                     | 1.96             | 2.09                   | -0.62                  |
| 23.03749      | 0.16                   | 9.3                     | 9.7                     | 1.62             | 2.15                   | -0.37                  |

| Depth<br>(ft) | Sleeve Stress<br>(tsf) | Tip Stress UNC<br>(tsf) | Tip Stress COR<br>(tsf) | Ratio COR<br>(%) | Pore Pressure<br>(tsf) | Inclination X<br>(deg) |
|---------------|------------------------|-------------------------|-------------------------|------------------|------------------------|------------------------|
| 23.10465      | 0.16                   | 12.4                    | 12.8                    | 1.21             | 2.05                   | -0.41                  |
| 23.18133      | 0.13                   | 12.9                    | 13.3                    | 0.98             | 1.97                   | -0.69                  |
| 23.24849      | 0.14                   | 13.2                    | 13.6                    | 1.06             | 1.87                   | -0.47                  |
| 23.32691      | 0.14                   | 12                      | 12.3                    | 1.1              | 1.81                   | -0.65                  |
| 23.3945       | 0.16                   | 11.3                    | 11.7                    | 1.39             | 1.82                   | -0.68                  |
| 23.46252      | 0.23                   | 11.1                    | 11.5                    | 1.98             | 1.95                   | -0.63                  |
| 23.52968      | 0.23                   | 11.9                    | 12.3                    | 1.89             | 2.06                   | -0.77                  |
| 23.60333      | 0.2                    | 17.3                    | 17.7                    | 1.13             | 2.15                   | -0.56                  |
| 23.67569      | 0.2                    | 40.6                    | 41                      | 0.49             | 2.2                    | -0.63                  |
| 23.74284      | 0.26                   | 92                      | 92.4                    | 0.28             | 2.22                   | -0.87                  |
| 23.80913      | 0.35                   | 144                     | 144.3                   | 0.24             | 1.76                   | -0.68                  |
| 23.87629      | 0.47                   | 179.9                   | 180.2                   | 0.26             | 1.29                   | -0.57                  |
| 23.94431      | 0.55                   | 203.7                   | 203.9                   | 0.27             | 1.11                   | -0.62                  |
| 24.01797      | 0.63                   | 223                     | 223.2                   | 0.28             | 1.05                   | -0.66                  |
| 24.08512      | 0.71                   | 237                     | 237.2                   | 0.3              | 1.15                   | -0.58                  |
| 24.15401      | 0.79                   | 250.1                   | 250.3                   | 0.31             | 1.17                   | -0.54                  |
| 24.2242       | 0.89                   | 258.5                   | 258.7                   | 0.34             | 1.23                   | -0.7                   |
| 24.50669      | 1.06                   | 285.9                   | 286.1                   | 0.37             | 1.27                   | -0.63                  |
| 24.57471      | 1.09                   | 293.8                   | 294.1                   | 0.37             | 1.32                   | -0.52                  |
| 24.641        | 1.1                    | 297.6                   | 297.8                   | 0.37             | 1.22                   | -0.59                  |
| 24.70772      | 1.09                   | 301.7                   | 301.9                   | 0.36             | 1.22                   | -0.84                  |
| 24.77661      | 1.09                   | 307.5                   | 307.7                   | 0.35             | 1.25                   | -0.52                  |
| 24.85373      | 1.12                   | 312.4                   | 312.6                   | 0.36             | 1.1                    | -0.72                  |
| 24.92219      | 1.1                    | 316.4                   | 316.6                   | 0.35             | 1.03                   | -0.62                  |
| 24.99281      | 1.09                   | 322.2                   | 322.4                   | 0.34             | 1.11                   | -0.61                  |
| 25.06213      | 1.08                   | 324.4                   | 324.6                   | 0.33             | 1.01                   | -0.71                  |
| 25.13232      | 1.09                   | 325                     | 325.2                   | 0.33             | 1.04                   | -0.65                  |
| 25.20771      | 1.07                   | 322.3                   | 322.5                   | 0.33             | 1.1                    | -0.62                  |
| 25.27746      | 1.05                   | 316.8                   | 317                     | 0.33             | 0.95                   | -0.72                  |
| 25.34809      | 1.02                   | 314.6                   | 314.8                   | 0.33             | 0.94                   | -0.75                  |
| 25.41828      | 0.98                   | 313.3                   | 313.5                   | 0.31             | 0.96                   | -0.64                  |
| 25.4876       | 0.98                   | 311.8                   | 312                     | 0.31             | 0.97                   | -0.8                   |
| 25.56385      | 0.99                   | 313.5                   | 313.7                   | 0.32             | 0.96                   | -0.72                  |
| 25.63274      | 1.01                   | 315.8                   | 316                     | 0.32             | 0.98                   | -0.59                  |
| 25.70293      | 1.02                   | 318.9                   | 319.1                   | 0.32             | 1.01                   | -0.7                   |
| 25.77312      | 1.05                   | 315.7                   | 315.8                   | 0.33             | 0.96                   | -0.81                  |
| 25.8446       | 1.06                   | 312.6                   | 312.8                   | 0.34             | 0.97                   | -0.68                  |
| 25.92216      | 1.03                   | 310.6                   | 310.8                   | 0.33             | 0.96                   | -0.65                  |
| 25.99278      | 1.02                   | 306.1                   | 306.3                   | 0.33             | 0.94                   | -0.77                  |
| 26.06427      | 1.01                   | 301.5                   | 301.6                   | 0.34             | 0.89                   | -0.83                  |
| 26.13489      | 1                      | 298.6                   | 298.8                   | 0.33             | 0.9                    | -0.66                  |
| 26.20205      | 0.98                   | 294.6                   | 294.8                   | 0.33             | 0.92                   | -0.81                  |
| 26.2991       | 0.97                   | 287.9                   | 288.1                   | 0.34             | 0.9                    | -0.84                  |
| 26.37189      | 0.96                   | 281.7                   | 281.9                   | 0.34             | 0.93                   | -0.85                  |
| 26.44467      | 0.93                   | 276.7                   | 276.8                   | 0.34             | 0.91                   | -0.85                  |

| Depth<br>(ft) | Sleeve Stress<br>(tsf) | Tip Stress UNC<br>(tsf) | Tip Stress COR<br>(tsf) | Ratio COR<br>(%) | Pore Pressure<br>(tsf) | Inclination X<br>(deg) |
|---------------|------------------------|-------------------------|-------------------------|------------------|------------------------|------------------------|
| 26.51616      | 0.9                    | 270.2                   | 270.4                   | 0.33             | 0.95                   | -0.54                  |
| 26.58852      | 0.87                   | 262.7                   | 262.9                   | 0.33             | 0.89                   | -0.8                   |
| 26.67604      | 0.83                   | 257.8                   | 257.9                   | 0.32             | 0.93                   | -0.68                  |
| 26.74796      | 0.81                   | 248.7                   | 248.9                   | 0.33             | 0.9                    | -0.74                  |
| 26.81988      | 0.79                   | 240.3                   | 240.5                   | 0.33             | 0.89                   | -0.84                  |
| 26.89137      | 0.78                   | 232.5                   | 232.6                   | 0.33             | 0.88                   | -0.85                  |
| 26.97282      | 0.75                   | 221.2                   | 221.4                   | 0.34             | 0.89                   | -0.53                  |
| 27.04734      | 0.72                   | 203.5                   | 203.7                   | 0.36             | 0.86                   | -0.85                  |
| 27.11883      | 0.7                    | 185.7                   | 185.9                   | 0.37             | 0.82                   | -0.97                  |
| 27.19076      | 0.64                   | 173.5                   | 173.6                   | 0.37             | 0.76                   | -0.73                  |
| 27.26094      | 0.57                   | 160.5                   | 160.7                   | 0.36             | 0.76                   | -0.97                  |
| 27.33937      | 0.51                   | 145.9                   | 146                     | 0.35             | 0.75                   | -1.1                   |
| 27.41129      | 0.47                   | 131.3                   | 131.5                   | 0.36             | 0.71                   | -0.94                  |
| 27.48321      | 0.43                   | 117.2                   | 117.3                   | 0.37             | 0.66                   | -0.86                  |
| 27.67731      | 0.33                   | 87.5                    | 87.6                    | 0.37             | 0.67                   | -0.93                  |
| 27.74577      | 0.32                   | 75.6                    | 75.7                    | 0.42             | 0.65                   | -0.68                  |
| 27.81812      | 0.31                   | 65.4                    | 65.5                    | 0.48             | 0.66                   | -0.8                   |
| 27.89351      | 0.31                   | 54.5                    | 54.7                    | 0.56             | 0.67                   | -1.11                  |
| 27.9637       | 0.31                   | 46.6                    | 46.7                    | 0.66             | 0.7                    | -0.77                  |
| 28.03302      | 0.28                   | 39.3                    | 39.4                    | 0.71             | 0.74                   | -1.02                  |
| 28.10364      | 0.24                   | 34.2                    | 34.4                    | 0.7              | 0.85                   | -0.79                  |
| 28.17383      | 0.19                   | 30.8                    | 31                      | 0.63             | 0.97                   | -0.82                  |
| 28.24965      | 0.16                   | 30.4                    | 30.6                    | 0.52             | 1.11                   | -0.64                  |
| 28.31984      | 0.13                   | 31.4                    | 31.6                    | 0.4              | 1.21                   | -0.93                  |
| 28.39393      | 0.13                   | 36.6                    | 36.8                    | 0.34             | 1.25                   | -0.84                  |
| 28.46282      | 0.14                   | 41.4                    | 41.6                    | 0.33             | 1.25                   | -0.73                  |
| 28.53387      | 0.15                   | 43.2                    | 43.5                    | 0.35             | 1.23                   | -1.14                  |
| 28.61533      | 0.17                   | 45.4                    | 45.6                    | 0.37             | 1.23                   | -0.78                  |
| 28.68638      | 0.17                   | 48                      | 48.2                    | 0.35             | 1.18                   | -0.88                  |
| 28.75744      | 0.16                   | 53.1                    | 53.4                    | 0.31             | 1.21                   | -0.74                  |
| 28.82806      | 0.18                   | 57.3                    | 57.6                    | 0.31             | 1.19                   | -0.72                  |
| 28.90041      | 0.19                   | 59.9                    | 60.1                    | 0.32             | 1.24                   | -0.84                  |
| 28.97784      | 0.18                   | 67.3                    | 67.5                    | 0.26             | 1.16                   | -1.1                   |
| 29.05076      | 0.17                   | 74.9                    | 75.1                    | 0.22             | 1.11                   | -0.52                  |
| 29.12268      | 0.17                   | 79                      | 79.2                    | 0.22             | 1.14                   | -0.94                  |
| 29.19547      | 0.19                   | 77.4                    | 77.6                    | 0.25             | 1.18                   | -1                     |
| 29.26739      | 0.23                   | 72.7                    | 73                      | 0.32             | 1.17                   | -1.02                  |
| 29.34711      | 0.28                   | 68.3                    | 68.5                    | 0.41             | 1.16                   | -1.07                  |
| 29.41946      | 0.31                   | 64.3                    | 64.5                    | 0.47             | 1.13                   | -0.99                  |
| 29.49225      | 0.31                   | 62                      | 62.2                    | 0.5              | 1.14                   | -0.65                  |
| 29.56201      | 0.35                   | 60                      | 60.2                    | 0.58             | 1.17                   | -0.8                   |
| 29.66556      | 0.32                   | 61.9                    | 62.2                    | 0.51             | 1.2                    | -0.67                  |
| 29.74874      | 0.3                    | 64.1                    | 64.3                    | 0.47             | 1.19                   | -0.98                  |
| 29.82153      | 0.35                   | 68.1                    | 68.4                    | 0.51             | 1.23                   | -0.98                  |
| 29.90169      | 0.45                   | 72.8                    | 73                      | 0.62             | 1.11                   | -0.89                  |

| Depth<br>(ft) | Sleeve Stress<br>(tsf) | Tip Stress UNC<br>(tsf) | Tip Stress COR<br>(tsf) | Ratio COR<br>(%) | Pore Pressure<br>(tsf) | Inclination X<br>(deg) |
|---------------|------------------------|-------------------------|-------------------------|------------------|------------------------|------------------------|
| 29.97404      | 0.61                   | 73.9                    | 74.1                    | 0.82             | 1.13                   | -0.83                  |
| 30.05333      | 0.72                   | 76.4                    | 76.6                    | 0.93             | 1.19                   | -0.78                  |
| 30.12568      | 0.78                   | 81.3                    | 81.6                    | 0.96             | 1.18                   | -0.87                  |
| 30.19804      | 0.99                   | 87.2                    | 87.5                    | 1.14             | 1.31                   | -0.97                  |
| 30.27126      | 1.13                   | 90.7                    | 90.9                    | 1.24             | 1.3                    | -0.93                  |
| 30.34405      | 1.14                   | 95.6                    | 95.8                    | 1.19             | 1.52                   | -0.87                  |
| 30.4268       | 0.91                   | 115.2                   | 115.4                   | 0.78             | 1.03                   | -0.91                  |
| 30.49786      | 0.77                   | 117.3                   | 117.5                   | 0.65             | 1.06                   | -0.14                  |
| 30.57065      | 0.73                   | 126.4                   | 126.6                   | 0.57             | 0.84                   | -0.62                  |
| 30.64343      | 0.73                   | 134.9                   | 135.1                   | 0.54             | 1.05                   | -0.83                  |
| 30.71926      | 0.76                   | 144.2                   | 144.3                   | 0.53             | 0.4                    | -0.67                  |
| 30.75825      | 0.72                   | 129.9                   | 130                     | 0.56             | 0.92                   | -0.79                  |
| 30.8241       | 0.71                   | 152.3                   | 152.4                   | 0.47             | 0.44                   | -0.76                  |
| 30.89949      | 0.7                    | 159.3                   | 159.4                   | 0.44             | 0.48                   | -0.74                  |
| 30.97401      | 0.68                   | 163.2                   | 163.3                   | 0.42             | 0.46                   | -0.73                  |
| 31.0468       | 0.68                   | 163.2                   | 163.3                   | 0.41             | 0.46                   | -0.81                  |
| 31.11916      | 0.67                   | 163.7                   | 163.8                   | 0.41             | 0.39                   | -0.88                  |
| 31.19238      | 0.64                   | 167.3                   | 167.4                   | 0.39             | 0.38                   | -0.83                  |
| 31.27643      | 0.64                   | 174.1                   | 174.2                   | 0.37             | 0.35                   | -0.93                  |
| 31.35095      | 0.67                   | 179.1                   | 179.1                   | 0.37             | 0.34                   | -0.78                  |
| 31.42417      | 0.72                   | 179.8                   | 179.9                   | 0.4              | 0.37                   | -0.78                  |
| 31.49826      | 0.79                   | 178                     | 178                     | 0.44             | 0.29                   | -0.81                  |
| 31.57278      | 0.84                   | 177.8                   | 177.9                   | 0.47             | 0.27                   | -0.56                  |
| 31.65294      | 0.9                    | 181.7                   | 181.7                   | 0.49             | 0.25                   | -0.57                  |
| 31.72616      | 0.94                   | 190                     | 190.1                   | 0.49             | 0.24                   | -0.77                  |
| 31.80241      | 0.96                   | 203.3                   | 203.3                   | 0.47             | 0.24                   | -0.7                   |
| 31.8765       | 0.98                   | 219                     | 219.1                   | 0.45             | 0.27                   | -0.77                  |
| 31.95016      | 1.01                   | 230.4                   | 230.4                   | 0.44             | 0.24                   | -0.58                  |
| 32.03074      | 1.02                   | 238.8                   | 238.8                   | 0.43             | 0.3                    | -0.74                  |
| 32.1057       | 1.02                   | 244.8                   | 244.9                   | 0.41             | 0.3                    | -0.58                  |
| 32.17979      | 1.05                   | 245.1                   | 245.1                   | 0.43             | 0.22                   | -0.92                  |
| 32.2556       | 1.19                   | 248.1                   | 248.2                   | 0.48             | 0.23                   | -0.66                  |
| 32.33013      | 1.29                   | 251.6                   | 251.7                   | 0.51             | 0.24                   | -0.87                  |
| 32.41462      | 1.25                   | 252.8                   | 252.8                   | 0.5              | 0.2                    | -0.84                  |
| 32.5004       | 1.24                   | 260.3                   | 260.3                   | 0.47             | 0.12                   | -0.82                  |
| 32.58792      | 1.32                   | 275.8                   | 275.8                   | 0.48             | 0.11                   | -0.81                  |
| 32.65291      | 1.25                   | 291.6                   | 291.6                   | 0.43             | 0.13                   | -0.86                  |
| 32.73003      | 1.32                   | 304.8                   | 304.8                   | 0.43             | 0.09                   | -0.77                  |
| 32.79285      | 1.37                   | 312                     | 312.1                   | 0.44             | 0.05                   | -0.75                  |
| 32.85351      | 1.36                   | 318.3                   | 318.3                   | 0.43             | 0.01                   | -0.88                  |
| 32.92326      | 1.41                   | 325.9                   | 325.9                   | 0.43             | 0.06                   | -0.77                  |
| 32.98869      | 1.43                   | 331.4                   | 331.4                   | 0.43             | 0.02                   | -0.86                  |
| 33.06191      | 1.56                   | 347.5                   | 347.5                   | 0.45             | -0.01                  | -0.79                  |
| 33.13037      | 1.63                   | 365.9                   | 365.9                   | 0.45             | 0.01                   | -0.82                  |
| 33.19709      | 1.6                    | 373.6                   | 373.6                   | 0.43             | -0.04                  | -0.94                  |

| Depth<br>(ft) | Sleeve Stress<br>(tsf) | Tip Stress UNC<br>(tsf) | Tip Stress COR<br>(tsf) | Ratio COR<br>(%) | Pore Pressure<br>(tsf) | Inclination X<br>(deg) |
|---------------|------------------------|-------------------------|-------------------------|------------------|------------------------|------------------------|
| 33.26381      | 1.55                   | 367                     | 367                     | 0.42             | -0.02                  | -0.9                   |
| 33.33053      | 1.58                   | 359.6                   | 359.6                   | 0.44             | -0.08                  | -0.77                  |
| 33.40419      | 1.63                   | 360.5                   | 360.5                   | 0.45             | -0.02                  | -0.72                  |
| 33.47091      | 1.73                   | 361.4                   | 361.4                   | 0.48             | -0.04                  | -0.76                  |
| 33.53763      | 1.87                   | 368.3                   | 368.2                   | 0.51             | -0.08                  | -0.85                  |
| 33.60436      | 1.97                   | 373.2                   | 373.2                   | 0.53             | -0.13                  | -0.8                   |
| 33.67065      | 1.45                   | 372.4                   | 372.4                   | 0.39             | -0.07                  | -0.72                  |
| 33.743        | 1.6                    | 356.3                   | 356.3                   | 0.45             | -0.04                  | -0.75                  |
| 33.81016      | 2                      | 340.1                   | 340.1                   | 0.59             | -0.01                  | -0.81                  |
| 33.87818      | 2.35                   | 327.8                   | 327.8                   | 0.72             | -0.01                  | -0.73                  |
| 33.94707      | 2.62                   | 320.7                   | 320.7                   | 0.82             | -0.01                  | -0.96                  |
| 34.03025      | 3                      | 319.9                   | 320                     | 0.94             | 0.26                   | -0.91                  |
| 34.09005      | 3.33                   | 334.7                   | 334.7                   | 0.99             | 0.11                   | -0.76                  |
| 34.15807      | 3.58                   | 358.1                   | 358.2                   | 1                | 0.26                   | -0.83                  |
| 34.22392      | 3.67                   | 380.5                   | 380.5                   | 0.97             | 0.19                   | -0.75                  |
| 34.28718      | 3.65                   | 404.6                   | 404.6                   | 0.9              | 0.1                    | -0.78                  |
| 34.3513       | 3.55                   | 427.2                   | 427.2                   | 0.83             | 0.15                   | -0.98                  |
| 34.41499      | 3.56                   | 446.9                   | 447                     | 0.8              | 0.21                   | -0.86                  |
| 34.48605      | 3.46                   | 467.5                   | 467.5                   | 0.74             | 0.26                   | -0.82                  |
| 34.55234      | 3.59                   | 477.7                   | 477.7                   | 0.75             | 0.21                   | -0.87                  |
| 34.61603      | 3.59                   | 482                     | 482.1                   | 0.74             | 0.2                    | -0.99                  |
| 34.68275      | 3.39                   | 476.5                   | 476.5                   | 0.71             | 0.39                   | -0.82                  |
| 34.74947      | 3.45                   | 454.1                   | 454.3                   | 0.76             | 0.64                   | -0.78                  |
| 34.82312      | 3.78                   | 422.7                   | 422.7                   | 0.89             | 0.46                   | -0.94                  |
| 34.88985      | 4.35                   | 392.7                   | 392.8                   | 1.11             | 0.63                   | -0.8                   |
| 34.95744      | 5.22                   | 358.1                   | 358.3                   | 1.46             | 0.59                   | -0.79                  |
| 35.02589      | 6.41                   | 321.2                   | 321.3                   | 1.99             | 0.24                   | -0.91                  |
| 35.10865      | 7.4                    | 294.9                   | 295                     | 2.51             | 0.59                   | -0.79                  |
| 35.2031       | 7.38                   | 266.9                   | 267.3                   | 2.76             | 1.91                   | -0.95                  |
| 35.27762      | 7.55                   | 254.6                   | 256.9                   | 2.94             | 11.97                  | -0.75                  |
| 35.34391      | 7.71                   | 263.6                   | 267.7                   | 2.88             | 21.42                  | -1.06                  |
| 35.4102       | 7.5                    | 301                     | 303                     | 2.48             | 10.24                  | -0.75                  |
| 35.48862      | 6.43                   | 342.8                   | 343.1                   | 1.87             | 1.97                   | -0.57                  |
| 35.55534      | 4.89                   | 357.5                   | 357.7                   | 1.37             | 1.16                   | -0.84                  |
| 35.63116      | 3.49                   | 367.3                   | 367.4                   | 0.95             | 0.75                   | -0.93                  |
| 35.70049      | 3.43                   | 372.2                   | 372.3                   | 0.92             | 0.48                   | -0.74                  |
| 35.76894      | 3.61                   | 380                     | 380                     | 0.95             | 0.14                   | -1.09                  |
| 35.84606      | 3.77                   | 384.2                   | 384.2                   | 0.98             | -0.08                  | -0.95                  |
| 35.91365      | 3.91                   | 380.5                   | 380.4                   | 1.03             | -0.14                  | -0.63                  |
| 35.98254      | 4.22                   | 376.9                   | 376.9                   | 1.12             | -0.2                   | -0.87                  |
| 36.05099      | 4.4                    | 370.7                   | 370.6                   | 1.19             | -0.25                  | -0.94                  |
| 36.11858      | 4.3                    | 355.4                   | 355.3                   | 1.21             | -0.24                  | -0.76                  |
| 36.19484      | 4.4                    | 340.5                   | 340.5                   | 1.29             | -0.27                  | -0.86                  |
| 36.2659       | 4.86                   | 321.9                   | 321.8                   | 1.51             | -0.27                  | -0.93                  |
| 36.33565      | 5.39                   | 294.8                   | 294.7                   | 1.83             | -0.16                  | -0.98                  |

| Depth<br>(ft) | Sleeve Stress<br>(tsf) | Tip Stress UNC<br>(tsf) | Tip Stress COR<br>(tsf) | Ratio COR<br>(%) | Pore Pressure<br>(tsf) | Inclination X<br>(deg) |
|---------------|------------------------|-------------------------|-------------------------|------------------|------------------------|------------------------|
| 36.40411      | 5.96                   | 261.9                   | 261.8                   | 2.28             | -0.23                  | -2.92                  |
| 36.47343      | 7.1                    | 239.9                   | 239.8                   | 2.96             | -0.27                  | 0.09                   |
| 36.54838      | 6.95                   | 241.6                   | 241.5                   | 2.88             | -0.26                  | -0.96                  |
| 36.61857      | 7.21                   | 209.7                   | 209.7                   | 3.44             | 0.03                   | 0.89                   |
| 36.68789      | 6.81                   | 215.7                   | 215.8                   | 3.16             | 0.26                   | -2.24                  |
| 36.75895      | 6.55                   | 217.1                   | 217.4                   | 3.01             | 1.59                   | -1.76                  |
| 36.82697      | 5.43                   | 245.7                   | 245.8                   | 2.21             | 0.46                   | 1.32                   |
| 36.90019      | 4.21                   | 241.3                   | 241.3                   | 1.75             | -0.02                  | -0.17                  |
| 36.96735      | 3.1                    | 244.7                   | 244.7                   | 1.27             | -0.03                  | 1.75                   |
| 37.0358       | 2.67                   | 248.9                   | 248.9                   | 1.07             | -0.09                  | -0.16                  |
| 37.1008       | 2.56                   | 256.7                   | 256.7                   | 1                | -0.04                  | -0.37                  |
| 37.32349      | 3.07                   | 302.6                   | 302.6                   | 1.01             | 0.07                   | -0.68                  |
| 37.38762      | 3.13                   | 321.7                   | 321.7                   | 0.97             | 0.09                   | -0.89                  |
| 37.45044      | 3.06                   | 329                     | 329                     | 0.93             | 0.07                   | -0.51                  |
| 37.51109      | 2.88                   | 329.2                   | 329.2                   | 0.88             | 0.1                    | -1.79                  |
| 37.57782      | 2.91                   | 341.7                   | 341.7                   | 0.85             | 0.11                   | -1.1                   |
| 37.63631      | 2.88                   | 361.1                   | 361.1                   | 0.8              | 0.17                   | -0.99                  |
| 37.69437      | 2.89                   | 365.7                   | 365.8                   | 0.79             | 0.18                   | -0.79                  |
| 37.75112      | 2.94                   | 368.5                   | 368.5                   | 0.8              | 0.18                   | -0.76                  |
| 37.81221      | 2.86                   | 359.9                   | 359.9                   | 0.8              | 0.16                   | -0.9                   |
| 37.86897      | 2.78                   | 352                     | 352                     | 0.79             | 0.13                   | -0.88                  |
| 37.92789      | 2.87                   | 341.1                   | 341.1                   | 0.84             | 0.17                   | -0.98                  |
| 37.99028      | 3.02                   | 323                     | 323                     | 0.94             | 0.08                   | -0.8                   |
| 38.05441      | 3.28                   | 288                     | 288.1                   | 1.14             | 0.07                   | -1.66                  |
| 38.12416      | 3.59                   | 275.6                   | 275.7                   | 1.3              | 0.13                   | -0.3                   |
| 38.19695      | 3.77                   | 236                     | 236                     | 1.6              | -0.04                  | -1.36                  |
| 38.27104      | 3.77                   | 222                     | 222                     | 1.7              | -0.07                  | -0.66                  |
| 38.34339      | 3.78                   | 232.2                   | 232.2                   | 1.63             | -0.02                  | -1.02                  |
| 38.41445      | 3.9                    | 229.3                   | 229.4                   | 1.7              | 0.24                   | 0.54                   |
| 38.48984      | 4.16                   | 246.5                   | 246.6                   | 1.69             | 0.37                   | -1.4                   |
| 38.56219      | 4.18                   | 257                     | 257                     | 1.63             | 0.15                   | 0.72                   |
| 38.62848      | 3.84                   | 287.9                   | 287.9                   | 1.33             | 0.03                   | -1.32                  |
| 38.69174      | 3.46                   | 300.6                   | 300.6                   | 1.15             | 0.05                   | 0.28                   |
| 38.74936      | 3.19                   | 309.8                   | 309.8                   | 1.03             | 0.11                   | -0.28                  |
| 38.80655      | 3                      | 313.9                   | 313.9                   | 0.96             | 0.12                   | -0.73                  |
| 38.85855      | 2.88                   | 327.8                   | 327.8                   | 0.88             | 0.14                   | -0.93                  |
| 38.9101       | 2.84                   | 332                     | 332                     | 0.86             | 0.14                   | -0.96                  |
| 38.96296      | 2.8                    | 332.5                   | 332.6                   | 0.84             | 0.14                   | -0.87                  |
| 39.01712      | 2.77                   | 333.9                   | 333.9                   | 0.83             | 0.12                   | -0.88                  |
| 39.07864      | 2.77                   | 336.7                   | 336.8                   | 0.82             | 0.2                    | -0.79                  |
| 39.14363      | 2.77                   | 341                     | 341                     | 0.81             | 0.18                   | -0.88                  |
| 39.20992      | 2.78                   | 349.4                   | 349.4                   | 0.8              | 0.14                   | -0.93                  |
| 39.27491      | 2.73                   | 354                     | 354                     | 0.77             | 0.21                   | -0.86                  |
| 39.3412       | 2.73                   | 355.4                   | 355.4                   | 0.77             | 0.16                   | -0.82                  |
| 39.40966      | 2.69                   | 358.7                   | 358.8                   | 0.75             | 0.21                   | -0.92                  |

| Depth<br>(ft) | Sleeve Stress<br>(tsf) | Tip Stress UNC<br>(tsf) | Tip Stress COR<br>(tsf) | Ratio COR<br>(%) | Pore Pressure<br>(tsf) | Inclination X<br>(deg) |
|---------------|------------------------|-------------------------|-------------------------|------------------|------------------------|------------------------|
| 39.48288      | 2.67                   | 361.4                   | 361.5                   | 0.74             | 0.19                   | -0.88                  |
| 39.55046      | 2.64                   | 367.5                   | 367.5                   | 0.72             | 0.18                   | -0.79                  |
| 39.61719      | 2.7                    | 378.3                   | 378.4                   | 0.71             | 0.22                   | -0.91                  |
| 39.68348      | 2.82                   | 389.7                   | 389.7                   | 0.72             | 0.21                   | -0.82                  |
| 39.75367      | 3.09                   | 402.4                   | 402.4                   | 0.77             | 0.18                   | -0.73                  |
| 39.81779      | 3.33                   | 406.3                   | 406.3                   | 0.82             | 0.31                   | -0.81                  |
| 39.87845      | 3.56                   | 410.7                   | 410.8                   | 0.87             | 0.43                   | -0.92                  |
| 39.93563      | 3.66                   | 411.8                   | 411.8                   | 0.89             | 0.45                   | -0.72                  |
| 39.9911       | 3.71                   | 414.1                   | 414.2                   | 0.9              | 0.44                   | -0.79                  |
| 40.05089      | 3.53                   | 419                     | 419.1                   | 0.84             | 0.39                   | -0.92                  |
| 40.10634      | 3.37                   | 419.3                   | 419.4                   | 0.8              | 0.45                   | -0.82                  |
| 40.16137      | 3.2                    | 417.8                   | 417.9                   | 0.77             | 0.39                   | -0.9                   |
| 40.21683      | 3.04                   | 418.3                   | 418.4                   | 0.73             | 0.35                   | -0.92                  |
| 40.27185      | 3.06                   | 417.5                   | 417.6                   | 0.73             | 0.32                   | -0.95                  |
| 40.33164      | 3.23                   | 408.6                   | 408.7                   | 0.79             | 0.35                   | -1.01                  |
| 40.5682       | 3.63                   | 346.2                   | 346.2                   | 1.05             | 0.12                   | -0.89                  |
| 40.63493      | 3.62                   | 337.9                   | 337.9                   | 1.07             | 0.07                   | -0.9                   |
| 40.70468      | 3.91                   | 331.5                   | 331.6                   | 1.18             | 0.18                   | -0.92                  |
| 40.7727       | 4.32                   | 330.7                   | 330.8                   | 1.31             | 0.2                    | -0.92                  |
| 40.84072      | 4.69                   | 333.8                   | 333.8                   | 1.41             | 0.1                    | -0.87                  |
| 40.91741      | 4.64                   | 345.6                   | 345.6                   | 1.34             | 0.01                   | -0.83                  |
| 40.98803      | 4.21                   | 348.2                   | 348.3                   | 1.21             | 0.06                   | -1.04                  |
| 41.05692      | 3.84                   | 346.7                   | 346.7                   | 1.11             | 0.06                   | -0.91                  |
| 41.12408      | 3.42                   | 351                     | 351                     | 0.97             | 0.15                   | -1                     |
| 41.1908       | 3.1                    | 355.8                   | 355.8                   | 0.87             | 0.17                   | -0.8                   |
| 41.26143      | 2.93                   | 361.6                   | 361.7                   | 0.81             | 0.44                   | -0.94                  |
| 41.32598      | 2.88                   | 365.3                   | 365.3                   | 0.79             | 0.36                   | -0.95                  |
| 41.39184      | 2.86                   | 372.3                   | 372.4                   | 0.77             | 0.32                   | -0.9                   |
| 41.45552      | 2.87                   | 376                     | 376.1                   | 0.76             | 0.35                   | -0.95                  |
| 41.52052      | 2.81                   | 379.2                   | 379.2                   | 0.74             | 0.33                   | -1.04                  |
| 41.58984      | 2.76                   | 383.8                   | 383.8                   | 0.72             | 0.35                   | -1.08                  |
| 41.65223      | 2.82                   | 388.3                   | 388.4                   | 0.73             | 0.37                   | -0.85                  |
| 41.71332      | 2.88                   | 394                     | 394                     | 0.73             | 0.33                   | -0.96                  |
| 41.77181      | 2.98                   | 398.1                   | 398.2                   | 0.75             | 0.53                   | -0.98                  |
| 41.8277       | 2.97                   | 402.4                   | 402.5                   | 0.74             | 0.51                   | -1.01                  |
| 41.88836      | 3                      | 405.2                   | 405.3                   | 0.74             | 0.37                   | -1.12                  |
| 41.94295      | 3.02                   | 407.3                   | 407.4                   | 0.74             | 0.35                   | -1.02                  |
| 41.99624      | 3.01                   | 408.7                   | 408.8                   | 0.74             | 0.34                   | -0.89                  |
| 42.0491       | 3.02                   | 412                     | 412.1                   | 0.73             | 0.43                   | -0.95                  |
| 42.10239      | 3.11                   | 415.4                   | 415.5                   | 0.75             | 0.73                   | -0.82                  |
| 42.15958      | 3.24                   | 417.2                   | 417.2                   | 0.78             | 0.46                   | -0.92                  |
| 42.21417      | 3.38                   | 416.2                   | 416.3                   | 0.81             | 0.5                    | -1                     |
| 42.26876      | 3.46                   | 418.6                   | 418.7                   | 0.83             | 0.64                   | -1                     |
| 42.32639      | 3.56                   | 419.3                   | 419.4                   | 0.85             | 0.56                   | -0.85                  |
| 42.38531      | 3.66                   | 420.4                   | 420.5                   | 0.87             | 0.5                    | -1.04                  |

| Depth<br>(ft) | Sleeve Stress<br>(tsf) | Tip Stress UNC<br>(tsf) | Tip Stress COR<br>(tsf) | Ratio COR<br>(%) | Pore Pressure<br>(tsf) | Inclination X<br>(deg) |
|---------------|------------------------|-------------------------|-------------------------|------------------|------------------------|------------------------|
| 42.45333      | 3.65                   | 412.6                   | 412.8                   | 0.88             | 0.6                    | -1.09                  |
| 42.51572      | 3.59                   | 406.4                   | 406.5                   | 0.88             | 0.52                   | -0.89                  |
| 42.58115      | 3.42                   | 394.5                   | 394.6                   | 0.87             | 0.63                   | -1.11                  |
| 42.6457       | 3.23                   | 384.2                   | 384.2                   | 0.84             | 0.37                   | -0.89                  |
| 42.71199      | 3.03                   | 366.3                   | 366.4                   | 0.83             | 0.58                   | -1.04                  |
| 42.78521      | 2.78                   | 345                     | 345.1                   | 0.81             | 0.32                   | -1.23                  |
| 42.85367      | 2.56                   | 329.2                   | 329.2                   | 0.78             | 0.12                   | -1.15                  |
| 42.92472      | 2.51                   | 323.5                   | 323.5                   | 0.78             | 0.16                   | -1.16                  |
| 42.98841      | 2.62                   | 323.2                   | 323.3                   | 0.81             | 0.18                   | -0.84                  |
| 43.08893      | 2.8                    | 319.4                   | 319.4                   | 0.88             | 0.32                   | -0.94                  |
| 43.15348      | 2.76                   | 315.1                   | 315.2                   | 0.88             | 0.34                   | -1.02                  |
| 43.21674      | 2.59                   | 313.1                   | 313.1                   | 0.83             | 0.15                   | -0.98                  |
| 43.27783      | 2.39                   | 318                     | 318                     | 0.75             | 0.18                   | -1.06                  |
| 43.34023      | 2.19                   | 325                     | 325.1                   | 0.67             | 0.17                   | -1.09                  |
| 43.40305      | 2.11                   | 335.4                   | 335.5                   | 0.63             | 0.22                   | -1.11                  |
| 43.46067      | 2.34                   | 344.2                   | 344.3                   | 0.68             | 0.35                   | -1.05                  |
| 43.5196       | 2.57                   | 352.8                   | 352.9                   | 0.73             | 0.39                   | -1.07                  |
| 43.73276      | 2.66                   | 382.6                   | 382.6                   | 0.7              | 0.25                   | -0.95                  |
| 43.79082      | 2.58                   | 391.1                   | 391.1                   | 0.66             | 0.22                   | -1.15                  |
| 43.84671      | 2.55                   | 399                     | 399.1                   | 0.64             | 0.26                   | -1.08                  |
| 43.90347      | 2.61                   | 402.3                   | 402.4                   | 0.65             | 0.37                   | -1.12                  |
| 43.95546      | 2.7                    | 404                     | 404                     | 0.67             | 0.29                   | -0.96                  |
| 44.00702      | 2.75                   | 402.7                   | 402.7                   | 0.68             | 0.35                   | -1.05                  |
| 44.06031      | 2.72                   | 397.4                   | 397.4                   | 0.69             | 0.33                   | -0.99                  |
| 44.11187      | 2.68                   | 392.4                   | 392.4                   | 0.68             | 0.3                    | -1.09                  |
| 44.16949      | 2.69                   | 387                     | 387                     | 0.69             | 0.37                   | -1.24                  |
| 44.22365      | 2.72                   | 379.3                   | 379.4                   | 0.72             | 0.25                   | -1.03                  |
| 44.27607      | 2.81                   | 369.9                   | 369.9                   | 0.76             | 0.26                   | -1.17                  |
| 44.32936      | 2.88                   | 366.2                   | 366.3                   | 0.79             | 0.39                   | -1.15                  |
| 44.38352      | 3.03                   | 366.6                   | 366.7                   | 0.83             | 0.29                   | -1.14                  |
| 44.44591      | 3.27                   | 368.8                   | 368.9                   | 0.89             | 0.31                   | -1.15                  |
| 44.49834      | 3.28                   | 371.7                   | 371.7                   | 0.88             | 0.36                   | -1.01                  |
| 44.55206      | 3.3                    | 373.4                   | 373.5                   | 0.88             | 0.35                   | -1.05                  |
| 44.60709      | 3.34                   | 376.2                   | 376.3                   | 0.89             | 0.35                   | -1.27                  |
| 44.66731      | 3.37                   | 378.6                   | 378.7                   | 0.89             | 0.21                   | -1.22                  |
| 44.73577      | 3.3                    | 385.4                   | 385.5                   | 0.86             | 0.26                   | -1.21                  |
| 44.79772      | 3.31                   | 390.7                   | 390.8                   | 0.85             | 0.43                   | -1.15                  |
| 44.86098      | 3.37                   | 396.3                   | 396.4                   | 0.85             | 0.4                    | -1.27                  |
| 44.9303       | 3.37                   | 401.6                   | 401.7                   | 0.84             | 0.37                   | -1.14                  |
| 45.01479      | 3.31                   | 412                     | 412                     | 0.8              | 0.46                   | -1.16                  |
| 45.10577      | 3.14                   | 408.5                   | 408.6                   | 0.77             | 0.45                   | -1.15                  |
| 45.20976      | 2.94                   | 396                     | 396.1                   | 0.74             | 0.56                   | -1.15                  |
| 45.33107      | 2.79                   | 376.7                   | 376.8                   | 0.74             | 0.41                   | -1.05                  |
| 45.41556      | 2.55                   | 356.7                   | 356.7                   | 0.71             | 0.25                   | -1.15                  |
| 45.51304      | 2.48                   | 329.1                   | 329.1                   | 0.75             | 0.12                   | -1.02                  |

| Depth<br>(ft) | Sleeve Stress<br>(tsf) | Tip Stress UNC<br>(tsf) | Tip Stress COR<br>(tsf) | Ratio COR<br>(%) | Pore Pressure<br>(tsf) | Inclination X<br>(deg) |
|---------------|------------------------|-------------------------|-------------------------|------------------|------------------------|------------------------|
| 45.59926      | 2.85                   | 313.2                   | 313.2                   | 0.91             | 0.06                   | -1.08                  |
| 45.68375      | 3.55                   | 321.9                   | 321.9                   | 1.1              | 0.25                   | -1.15                  |
| 45.76303      | 4.14                   | 328.5                   | 328.5                   | 1.26             | 0.3                    | -1.23                  |
| 45.84449      | 4.1                    | 341.7                   | 341.7                   | 1.2              | 0.17                   | -1.22                  |
| 45.92291      | 3.79                   | 349.6                   | 349.7                   | 1.08             | 0.08                   | -1.04                  |
| 45.99266      | 3.54                   | 358.5                   | 358.5                   | 0.99             | 0.1                    | -0.98                  |
| 46.05765      | 3.24                   | 367                     | 367.1                   | 0.88             | 0.34                   | -1.08                  |
| 46.12004      | 3.03                   | 380.7                   | 380.8                   | 0.8              | 0.44                   | -1.09                  |
| 46.18027      | 2.88                   | 388.6                   | 388.7                   | 0.74             | 0.58                   | -1.21                  |
| 46.24482      | 2.86                   | 395.4                   | 395.5                   | 0.72             | 0.61                   | -1.16                  |
| 46.30461      | 2.89                   | 399.5                   | 399.6                   | 0.72             | 0.63                   | -1.09                  |
| 46.367        | 2.84                   | 403.4                   | 403.5                   | 0.7              | 0.53                   | -1.09                  |
| 46.42593      | 2.79                   | 408.9                   | 409                     | 0.68             | 0.56                   | -1.19                  |
| 46.48485      | 2.74                   | 413.4                   | 413.5                   | 0.66             | 0.58                   | -1.15                  |
| 46.54551      | 2.69                   | 418.5                   | 418.6                   | 0.64             | 0.41                   | -1.08                  |
| 46.60443      | 2.65                   | 419.8                   | 419.9                   | 0.63             | 0.5                    | -1.02                  |
| 46.66466      | 2.73                   | 421                     | 421.2                   | 0.65             | 0.74                   | -1.27                  |
| 46.72661      | 2.99                   | 422.1                   | 422.2                   | 0.71             | 0.51                   | -1.08                  |
| 46.9857       | 3.23                   | 442.5                   | 442.6                   | 0.73             | 0.45                   | -1.12                  |
| 47.06369      | 3.27                   | 449.7                   | 449.8                   | 0.73             | 0.61                   | -1.34                  |
| 47.14385      | 3.43                   | 451.1                   | 451.2                   | 0.76             | 0.61                   | -1.07                  |
| 47.25692      | 3.45                   | 444.6                   | 444.8                   | 0.78             | 0.72                   | -1.19                  |
| 47.33535      | 3.37                   | 438                     | 438.2                   | 0.77             | 0.73                   | -1.21                  |
| 47.41637      | 3.27                   | 436.3                   | 436.4                   | 0.75             | 0.75                   | -1.08                  |
| 47.49522      | 0                      | 435.9                   | 436.1                   | 0                | 0.8                    | -1.07                  |
| 47.57148      | 0                      | 440.2                   | 440.3                   | 0                | 0.68                   | -1.12                  |
| 47.64686      | 0                      | 453.6                   | 453.7                   | 0                | 0.63                   | -1.24                  |
| 47.71099      | 0                      | 464.3                   | 464.4                   | 0                | 0.64                   | -1.24                  |
| 47.76168      | 0                      | 469.5                   | 469.7                   | 0                | 0.75                   | -1.22                  |
| 47.80024      | 0                      | 466.7                   | 466.9                   | 0                | 0.92                   | -1.17                  |
| 47.80024      | 0                      | 466.7                   | 466.9                   | 0                | 0.92                   | -1.17                  |

| Depth<br>(ft) | Inclination Y<br>(deg) | Excitation<br>(Vdc) | Overburden<br>(tsf) | Eff. Overburden<br>(tsf) | Wet Density<br>(pcf) | Class. FR<br>(Rob. 1990) | Class. PP<br>(Rob. 1990) |
|---------------|------------------------|---------------------|---------------------|--------------------------|----------------------|--------------------------|--------------------------|
| 0             | 0                      | 1.001               | 0.00E+00            | 0.00E+00                 | 120                  | -99                      | -99                      |
| 0.20147       | -1.59                  | 1.001               | 1.21E-02            | 5.80E-03                 | 120                  | -99                      | -99                      |
| 0.27989       | -0.13                  | 1.002               | 1.68E-02            | 8.06E-03                 | 120                  | -99                      | -99                      |
| 0.35831       | 1.25                   | 1.002               | 2.15E-02            | 1.03E-02                 | 120                  | -99                      | -99                      |
| 0.43586       | 1.54                   | 1.001               | 2.62E-02            | 1.26E-02                 | 120                  | -99                      | -99                      |
| 0.50432       | 1.2                    | 1.001               | 3.03E-02            | 1.45E-02                 | 120                  | -99                      | -99                      |
| 0.57277       | -0.02                  | 1                   | 3.44E-02            | 1.65E-02                 | 120                  | -99                      | -99                      |
| 0.64253       | 0.94                   | 1.001               | 3.86E-02            | 1.85E-02                 | 120                  | -99                      | -99                      |
| 0.71272       | -1.08                  | 1                   | 4.28E-02            | 2.05E-02                 | 120                  | -99                      | -99                      |
| 0.79027       | -0.82                  | 1.002               | 4.74E-02            | 2.28E-02                 | 120                  | -99                      | -99                      |
| 0.86003       | -4.32                  | 1.002               | 5.16E-02            | 2.48E-02                 | 120                  | -99                      | -99                      |
| 0.93065       | -0.23                  | 1.001               | 5.58E-02            | 2.68E-02                 | 120                  | -99                      | -99                      |
| 0.99954       | 0.19                   | 1.002               | 6.00E-02            | 2.88E-02                 | 120                  | -99                      | -99                      |
| 1.06973       | 0.58                   | 1.001               | 6.42E-02            | 3.08E-02                 | 120                  | -99                      | -99                      |
| 1.14728       | 0.35                   | 1.002               | 6.88E-02            | 3.30E-02                 | 120                  | -99                      | -99                      |
| 1.2179        | -0.65                  | 1                   | 7.31E-02            | 3.51E-02                 | 120                  | -99                      | -99                      |
| 1.28809       | -1.81                  | 1.002               | 7.73E-02            | 3.71E-02                 | 120                  | -99                      | -99                      |
| 1.35655       | -1.55                  | 1                   | 8.14E-02            | 3.91E-02                 | 120                  | -99                      | -99                      |
| 1.4328        | -2.75                  | 1                   | 8.60E-02            | 4.13E-02                 | 120                  | -99                      | -99                      |
| 1.50472       | -2.09                  | 1                   | 9.03E-02            | 4.33E-02                 | 120                  | -99                      | -99                      |
| 1.57491       | -0.81                  | 1.002               | 9.45E-02            | 4.54E-02                 | 120                  | -99                      | -99                      |
| 1.63254       | -1.57                  | 1.002               | 9.80E-02            | 4.70E-02                 | 120                  | -99                      | -99                      |
| 1.6893        | -1.54                  | 1                   | 1.01E-01            | 4.87E-02                 | 120                  | -99                      | -99                      |
| 1.74735       | -0.93                  | 1.001               | 1.05E-01            | 5.03E-02                 | 120                  | -99                      | -99                      |
| 1.80844       | -0.92                  | 1                   | 1.09E-01            | 5.21E-02                 | 120                  | -99                      | -99                      |
| 1.88166       | -1.44                  | 1.002               | 1.13E-01            | 5.42E-02                 | 120                  | -99                      | -99                      |
| 1.94535       | -1.31                  | 1.002               | 1.17E-01            | 5.60E-02                 | 120                  | -99                      | -99                      |
| 2.00904       | -1.12                  | 1.001               | 1.21E-01            | 5.79E-02                 | 120                  | -99                      | -99                      |
| 2.07187       | -0.85                  | 1.001               | 1.24E-01            | 5.97E-02                 | 120                  | -99                      | -99                      |
| 2.13512       | -0.89                  | 1                   | 1.28E-01            | 6.15E-02                 | 120                  | -99                      | -99                      |
| 2.20574       | -0.94                  | 1                   | 1.32E-01            | 6.35E-02                 | 120                  | -99                      | -99                      |

| Depth<br>(ft) | Inclination Y<br>(deg) | Excitation<br>(Vdc) | Overburden<br>(tsf) | Eff. Overburden<br>(tsf) | Wet Density<br>(pcf) | Class. FR<br>(Rob. 1990) | Class. PP<br>(Rob. 1990) |
|---------------|------------------------|---------------------|---------------------|--------------------------|----------------------|--------------------------|--------------------------|
| 2.2703        | -0.86                  | 1.002               | 1.36E-01            | 6.54E-02                 | 120                  | -99                      | -99                      |
| 2.33399       | -0.9                   | 1.002               | 1.40E-01            | 6.72E-02                 | 120                  | -99                      | -99                      |
| 2.39855       | -1.13                  | 1.001               | 1.44E-01            | 6.91E-02                 | 120                  | -99                      | -99                      |
| 2.46224       | -0.9                   | 1                   | 1.48E-01            | 7.09E-02                 | 120                  | -99                      | -99                      |
| 2.53546       | -1.22                  | 1.002               | 1.52E-01            | 7.30E-02                 | 120                  | -99                      | -99                      |
| 2.59915       | -0.93                  | 1                   | 1.56E-01            | 7.49E-02                 | 120                  | -99                      | -99                      |
| 2.66457       | -1.21                  | 1.002               | 1.60E-01            | 7.67E-02                 | 120                  | -99                      | -99                      |
| 2.72869       | -1.13                  | 1.002               | 1.64E-01            | 7.86E-02                 | 120                  | -99                      | -99                      |
| 2.79412       | -0.8                   | 1.001               | 1.68E-01            | 8.05E-02                 | 120                  | -99                      | -99                      |
| 2.86431       | -1.17                  | 1.002               | 1.72E-01            | 8.25E-02                 | 120                  | -99                      | -99                      |
| 2.92843       | -1.14                  | 1.002               | 1.76E-01            | 8.43E-02                 | 120                  | 7                        | 7                        |
| 2.99125       | -1.14                  | 1.002               | 1.80E-01            | 8.62E-02                 | 120                  | 7                        | 7                        |
| 3.05624       | -0.79                  | 1.001               | 1.83E-01            | 8.80E-02                 | 120                  | 6                        | 7                        |
| 3.12036       | -0.91                  | 1                   | 1.87E-01            | 8.99E-02                 | 120                  | 6                        | 7                        |
| 3.19229       | -0.85                  | 1                   | 1.92E-01            | 9.19E-02                 | 120                  | 8                        | 7                        |
| 3.25641       | -1.09                  | 1.002               | 1.95E-01            | 9.38E-02                 | 120                  | 8                        | 7                        |
| 3.3214        | -1.09                  | 1.001               | 1.99E-01            | 9.57E-02                 | 120                  | 8                        | 7                        |
| 3.38552       | -1.09                  | 1                   | 2.03E-01            | 9.75E-02                 | 120                  | 8                        | 7                        |
| 3.44921       | -1.12                  | 1                   | 2.07E-01            | 9.93E-02                 | 120                  | 8                        | 7                        |
| 3.5207        | -0.88                  | 1                   | 2.11E-01            | 1.01E-01                 | 120                  | 8                        | 7                        |
| 3.58569       | -1.29                  | 1.002               | 2.15E-01            | 1.03E-01                 | 120                  | 8                        | 7                        |
| 3.65068       | -0.9                   | 1.001               | 2.19E-01            | 1.05E-01                 | 120                  | 8                        | 7                        |
| 3.7161        | -1.22                  | 1.001               | 2.23E-01            | 1.07E-01                 | 120                  | 8                        | 7                        |
| 3.78153       | -1.11                  | 1.001               | 2.27E-01            | 1.09E-01                 | 120                  | 8                        | 7                        |
| 3.85258       | -1.02                  | 1                   | 2.31E-01            | 1.11E-01                 | 120                  | 8                        | 7                        |
| 3.91757       | -1.08                  | 1                   | 2.35E-01            | 1.13E-01                 | 120                  | 8                        | 7                        |
| 3.98342       | -1.12                  | 1.002               | 2.39E-01            | 1.15E-01                 | 120                  | 9                        | 6                        |
| 4.04755       | -1.08                  | 1.001               | 2.43E-01            | 1.17E-01                 | 120                  | 9                        | 6                        |
| 4.1134        | -1.1                   | 1                   | 2.47E-01            | 1.19E-01                 | 120                  | 9                        | 6                        |
| 4.18359       | -0.86                  | 1                   | 2.51E-01            | 1.21E-01                 | 120                  | 9                        | 6                        |
| 4.24858       | -1.14                  | 1                   | 2.55E-01            | 1.22E-01                 | 120                  | 8                        | 6                        |
| 4.31444       | -1.24                  | 1.001               | 2.59E-01            | 1.24E-01                 | 120                  | 8                        | 6                        |
| 4.37943       | -1.02                  | 1                   | 2.63E-01            | 1.26E-01                 | 120                  | 8                        | 6                        |
| 4.44442       | -1.25                  | 1.001               | 2.67E-01            | 1.28E-01                 | 120                  | 8                        | 6                        |
| 4.51504       | -0.92                  | 1.002               | 2.71E-01            | 1.30E-01                 | 120                  | 5                        | 6                        |
| 4.5796        | -0.89                  | 1                   | 2.75E-01            | 1.32E-01                 | 120                  | 5                        | 6                        |
| 4.64372       | -0.95                  | 1.001               | 2.79E-01            | 1.34E-01                 | 120                  | 9                        | 6                        |
| 4.70568       | -1.18                  | 1.001               | 2.82E-01            | 1.36E-01                 | 120                  | 4                        | 6                        |
| 4.7893        | -1                     | 1.002               | 2.87E-01            | 1.38E-01                 | 120                  | 5                        | 6                        |
| 5.04276       | -1.12                  | 1.002               | 3.03E-01            | 1.45E-01                 | 120                  | 5                        | 6                        |
| 5.10991       | -1.13                  | 1                   | 3.07E-01            | 1.47E-01                 | 120                  | 5                        | 6                        |
| 5.1827        | -0.99                  | 1.002               | 3.11E-01            | 1.49E-01                 | 120                  | 5                        | 6                        |
| 5.24899       | -1.06                  | 1.002               | 3.15E-01            | 1.51E-01                 | 120                  | 5                        | 6                        |
| 5.31614       | -1.14                  | 1.002               | 3.19E-01            | 1.53E-01                 | 120                  | 5                        | 6                        |
| 5.382         | -1.27                  | 1.002               | 3.23E-01            | 1.55E-01                 | 120                  | 5                        | 6                        |

| Depth<br>(ft) | Inclination Y<br>(deg) | Excitation<br>(Vdc) | Overburden<br>(tsf) | Eff. Overburden<br>(tsf) | Wet Density<br>(pcf) | Class. FR<br>(Rob. 1990) | Class. PP<br>(Rob. 1990) |
|---------------|------------------------|---------------------|---------------------|--------------------------|----------------------|--------------------------|--------------------------|
| 5.45002       | -1.13                  | 1.001               | 3.27E-01            | 1.57E-01                 | 120                  | 5                        | 6                        |
| 5.52498       | -1.45                  | 1.002               | 3.32E-01            | 1.59E-01                 | 120                  | 5                        | 6                        |
| 5.5917        | -1.24                  | 1.001               | 3.36E-01            | 1.61E-01                 | 120                  | 5                        | 6                        |
| 5.66102       | -1.16                  | 1.002               | 3.40E-01            | 1.63E-01                 | 120                  | 4                        | 6                        |
| 5.72731       | -1                     | 1.001               | 3.44E-01            | 1.65E-01                 | 120                  | 4                        | 6                        |
| 5.79447       | -1.37                  | 1.001               | 3.48E-01            | 1.67E-01                 | 120                  | 4                        | 5                        |
| 5.86986       | -1.16                  | 1                   | 3.52E-01            | 1.69E-01                 | 120                  | 5                        | 6                        |
| 5.93788       | -1.09                  | 1.002               | 3.56E-01            | 1.71E-01                 | 120                  | 4                        | 5                        |
| 6.0059        | -1.33                  | 1.002               | 3.60E-01            | 1.73E-01                 | 120                  | 4                        | 5                        |
| 6.07219       | -1.03                  | 1.001               | 3.64E-01            | 1.75E-01                 | 120                  | 3                        | 5                        |
| 6.13978       | -1.03                  | 1                   | 3.68E-01            | 1.77E-01                 | 120                  | 4                        | 5                        |
| 6.21213       | -1.22                  | 1.002               | 3.73E-01            | 1.79E-01                 | 120                  | 4                        | 5                        |
| 6.28015       | -0.98                  | 1.001               | 3.77E-01            | 1.81E-01                 | 120                  | 3                        | 4                        |
| 6.34904       | -1.07                  | 1.002               | 3.81E-01            | 1.83E-01                 | 120                  | 3                        | 4                        |
| 6.41707       | -1.26                  | 1                   | 3.85E-01            | 1.85E-01                 | 120                  | 4                        | 5                        |
| 6.48422       | -1.09                  | 1.002               | 3.89E-01            | 1.87E-01                 | 120                  | 3                        | 5                        |
| 6.55831       | -1.21                  | 1.001               | 3.94E-01            | 1.89E-01                 | 120                  | 3                        | 5                        |
| 6.62633       | -1.2                   | 1.001               | 3.98E-01            | 1.91E-01                 | 120                  | 4                        | 5                        |
| 6.69262       | -1.13                  | 1.001               | 4.02E-01            | 1.93E-01                 | 120                  | 4                        | 6                        |
| 6.76238       | -1.18                  | 1.002               | 4.06E-01            | 1.95E-01                 | 120                  | 5                        | 6                        |
| 6.8304        | -1.04                  | 1.002               | 4.10E-01            | 1.97E-01                 | 120                  | 4                        | 6                        |
| 6.91099       | -1.14                  | 1.001               | 4.15E-01            | 1.99E-01                 | 120                  | 3                        | 5                        |
| 6.98897       | -1.07                  | 1.001               | 4.19E-01            | 2.01E-01                 | 120                  | 3                        | -99                      |
| 7.05613       | -1.15                  | 1.002               | 4.23E-01            | 2.03E-01                 | 120                  | 3                        | -99                      |
| 7.12545       | -1.15                  | 1.001               | 4.28E-01            | 2.05E-01                 | 120                  | 3                        | -99                      |
| 7.19304       | -1.05                  | 1.001               | 4.32E-01            | 2.07E-01                 | 120                  | 3                        | -99                      |
| 7.27103       | -1.09                  | 1.002               | 4.36E-01            | 2.09E-01                 | 120                  | 3                        | -99                      |
| 7.33862       | -1.18                  | 1.001               | 4.40E-01            | 2.11E-01                 | 120                  | 3                        | 4                        |
| 7.40577       | -1.18                  | 1.001               | 4.44E-01            | 2.13E-01                 | 120                  | 3                        | 5                        |
| 7.47293       | -1.06                  | 1.002               | 4.48E-01            | 2.15E-01                 | 120                  | 3                        | 5                        |
| 7.54138       | -1.06                  | 1                   | 4.53E-01            | 2.17E-01                 | 120                  | 4                        | 5                        |
| 7.61374       | -1.08                  | 1                   | 4.57E-01            | 2.19E-01                 | 120                  | 3                        | 5                        |
| 7.68306       | -1.01                  | 1                   | 4.61E-01            | 2.21E-01                 | 120                  | 3                        | 4                        |
| 7.75065       | -1.15                  | 1.001               | 4.65E-01            | 2.23E-01                 | 120                  | 3                        | -99                      |
| 7.82647       | -0.98                  | 1                   | 4.70E-01            | 2.25E-01                 | 120                  | 3                        | -99                      |
| 7.90316       | -1.01                  | 1.001               | 4.74E-01            | 2.28E-01                 | 120                  | 3                        | -99                      |
| 7.97248       | -1.03                  | 1.001               | 4.78E-01            | 2.30E-01                 | 120                  | 3                        | -99                      |
| 8.04094       | -1.31                  | 1.001               | 4.83E-01            | 2.32E-01                 | 120                  | 3                        | -99                      |
| 8.30046       | -1.17                  | 1.001               | 4.98E-01            | 2.39E-01                 | 120                  | 3                        | -99                      |
| 8.36545       | -1.34                  | 1.001               | 5.02E-01            | 2.41E-01                 | 120                  | 3                        | -99                      |
| 8.44041       | -1.29                  | 1.002               | 5.06E-01            | 2.43E-01                 | 120                  | 3                        | -99                      |
| 8.508         | -1.03                  | 1.001               | 5.11E-01            | 2.45E-01                 | 120                  | 3                        | -99                      |
| 8.57558       | -1.19                  | 1.002               | 5.15E-01            | 2.47E-01                 | 120                  | 3                        | -99                      |
| 8.64274       | -1.26                  | 1.002               | 5.19E-01            | 2.49E-01                 | 120                  | 3                        | -99                      |
| 8.71293       | -1.14                  | 1.001               | 5.23E-01            | 2.51E-01                 | 120                  | 3                        | -99                      |

| Depth<br>(ft) | Inclination Y<br>(deg) | Excitation<br>(Vdc) | Overburden<br>(tsf) | Eff. Overburden<br>(tsf) | Wet Density<br>(pcf) | Class. FR<br>(Rob. 1990) | Class. PP<br>(Rob. 1990) |
|---------------|------------------------|---------------------|---------------------|--------------------------|----------------------|--------------------------|--------------------------|
| 8.78702       | -1.38                  | 1.001               | 5.27E-01            | 2.53E-01                 | 120                  | 3                        | -99                      |
| 8.85504       | -1.19                  | 1.001               | 5.31E-01            | 2.55E-01                 | 120                  | 3                        | -99                      |
| 8.92263       | -1.15                  | 1.002               | 5.35E-01            | 2.57E-01                 | 120                  | 3                        | -99                      |
| 8.99282       | -1.01                  | 1.001               | 5.40E-01            | 2.59E-01                 | 120                  | 3                        | -99                      |
| 9.06084       | -1.07                  | 1.001               | 5.44E-01            | 2.61E-01                 | 120                  | 3                        | -99                      |
| 9.13579       | -1.24                  | 1.001               | 5.48E-01            | 2.63E-01                 | 120                  | 3                        | -99                      |
| 9.20425       | -1.49                  | 1.001               | 5.52E-01            | 2.65E-01                 | 120                  | 4                        | 5                        |
| 9.27357       | -1.29                  | 1.001               | 5.56E-01            | 2.67E-01                 | 120                  | 6                        | 6                        |
| 9.34073       | -1.33                  | 1.002               | 5.60E-01            | 2.69E-01                 | 120                  | 6                        | 6                        |
| 9.40962       | -1.15                  | 1.002               | 5.65E-01            | 2.71E-01                 | 120                  | 6                        | 6                        |
| 9.485         | -1.12                  | 1.001               | 5.69E-01            | 2.73E-01                 | 120                  | 6                        | 6                        |
| 9.55476       | -1.15                  | 1.001               | 5.73E-01            | 2.75E-01                 | 120                  | 6                        | 6                        |
| 9.62451       | -1.18                  | 1.001               | 5.78E-01            | 2.77E-01                 | 120                  | 5                        | 6                        |
| 9.69427       | -1.3                   | 1.001               | 5.82E-01            | 2.79E-01                 | 120                  | 5                        | 6                        |
| 9.76316       | -1.09                  | 1.002               | 5.86E-01            | 2.81E-01                 | 120                  | 4                        | 5                        |
| 9.83855       | -1.08                  | 1                   | 5.90E-01            | 2.83E-01                 | 120                  | 3                        | 5                        |
| 9.90744       | -1.28                  | 1.002               | 5.94E-01            | 2.85E-01                 | 120                  | 3                        | 4                        |
| 9.97762       | -1.39                  | 1.002               | 5.99E-01            | 2.87E-01                 | 120                  | 3                        | -99                      |
| 10.06384      | -1.05                  | 1.001               | 6.04E-01            | 2.90E-01                 | 120                  | 3                        | -99                      |
| 10.1492       | -1.24                  | 1.002               | 6.09E-01            | 2.92E-01                 | 120                  | 3                        | -99                      |
| 10.22242      | -1.36                  | 1.001               | 6.13E-01            | 2.94E-01                 | 120                  | 3                        | -99                      |
| 10.29131      | -1.38                  | 1.001               | 6.18E-01            | 2.96E-01                 | 120                  | 3                        | -99                      |
| 10.36193      | -1.16                  | 1.001               | 6.22E-01            | 2.98E-01                 | 120                  | 3                        | -99                      |
| 10.43082      | -1                     | 1.001               | 6.26E-01            | 3.00E-01                 | 120                  | 3                        | 4                        |
| 10.50101      | -1.01                  | 1.001               | 6.30E-01            | 3.02E-01                 | 120                  | 3                        | 4                        |
| 10.57726      | -1.18                  | 1.001               | 6.35E-01            | 3.05E-01                 | 120                  | 3                        | 3                        |
| 10.64528      | -0.98                  | 1.001               | 6.39E-01            | 3.07E-01                 | 120                  | 3                        | 3                        |
| 10.71417      | -1.29                  | 1.002               | 6.43E-01            | 3.09E-01                 | 120                  | 3                        | 3                        |
| 10.78436      | -1.1                   | 1.001               | 6.47E-01            | 3.11E-01                 | 120                  | 3                        | 3                        |
| 10.85368      | -1.24                  | 1.001               | 6.51E-01            | 3.13E-01                 | 120                  | 3                        | 3                        |
| 10.94207      | -1.25                  | 1.002               | 6.57E-01            | 3.15E-01                 | 120                  | 3                        | 3                        |
| 11.01096      | -1.1                   | 1                   | 6.61E-01            | 3.17E-01                 | 120                  | 3                        | 3                        |
| 11.08028      | -1.31                  | 1.001               | 6.65E-01            | 3.19E-01                 | 120                  | 3                        | 3                        |
| 11.14917      | -1.28                  | 1.002               | 6.69E-01            | 3.21E-01                 | 120                  | 3                        | 3                        |
| 11.22716      | -1.03                  | 1.001               | 6.74E-01            | 3.23E-01                 | 120                  | 3                        | 3                        |
| 11.29778      | -1.04                  | 1.001               | 6.78E-01            | 3.25E-01                 | 120                  | 3                        | 3                        |
| 11.48625      | -0.95                  | 1.001               | 6.89E-01            | 3.31E-01                 | 120                  | 3                        | 3                        |
| 11.55557      | -1.09                  | 1.002               | 6.93E-01            | 3.33E-01                 | 120                  | 3                        | 3                        |
| 11.62706      | -1.27                  | 1.001               | 6.98E-01            | 3.35E-01                 | 120                  | 3                        | 3                        |
| 11.70591      | -1.28                  | 1.002               | 7.02E-01            | 3.37E-01                 | 120                  | 3                        | 3                        |
| 11.7761       | -1.01                  | 1.002               | 7.07E-01            | 3.39E-01                 | 120                  | 3                        | 3                        |
| 11.84672      | -1.15                  | 1.001               | 7.11E-01            | 3.41E-01                 | 120                  | 3                        | 3                        |
| 11.91735      | -1.23                  | 1.001               | 7.15E-01            | 3.43E-01                 | 120                  | 3                        | 3                        |
| 11.9897       | -1.58                  | 1.002               | 7.19E-01            | 3.45E-01                 | 120                  | 3                        | 3                        |
| 12.06726      | -1.26                  | 1.002               | 7.24E-01            | 3.48E-01                 | 120                  | 4                        | 4                        |

| Depth<br>(ft) | Inclination Y<br>(deg) | Excitation<br>(Vdc) | Overburden<br>(tsf) | Eff. Overburden<br>(tsf) | Wet Density<br>(pcf) | Class. FR<br>(Rob. 1990) | Class. PP<br>(Rob. 1990) |
|---------------|------------------------|---------------------|---------------------|--------------------------|----------------------|--------------------------|--------------------------|
| 12.13831      | -1.44                  | 1.001               | 7.28E-01            | 3.50E-01                 | 120                  | 4                        | 4                        |
| 12.2098       | -1.31                  | 1.001               | 7.33E-01            | 3.52E-01                 | 120                  | 4                        | 4                        |
| 12.28172      | -1.01                  | 1.001               | 7.37E-01            | 3.54E-01                 | 120                  | 4                        | 4                        |
| 12.35278      | -1.32                  | 1.001               | 7.41E-01            | 3.56E-01                 | 120                  | 4                        | 5                        |
| 12.43163      | -1.46                  | 1.001               | 7.46E-01            | 3.58E-01                 | 120                  | 4                        | 5                        |
| 12.50398      | -1.23                  | 1.001               | 7.50E-01            | 3.60E-01                 | 120                  | 5                        | 5                        |
| 12.57547      | -1.43                  | 1.002               | 7.55E-01            | 3.62E-01                 | 120                  | 5                        | 5                        |
| 12.64696      | -1.13                  | 1.001               | 7.59E-01            | 3.64E-01                 | 120                  | 4                        | 4                        |
| 12.71802      | -1.22                  | 1.001               | 7.63E-01            | 3.66E-01                 | 120                  | 4                        | 4                        |
| 12.79687      | -1.12                  | 1.002               | 7.68E-01            | 3.69E-01                 | 120                  | 4                        | 3                        |
| 12.86923      | -1.05                  | 1.002               | 7.72E-01            | 3.71E-01                 | 120                  | 3                        | 3                        |
| 12.94375      | -1.21                  | 1.001               | 7.77E-01            | 3.73E-01                 | 120                  | 3                        | 3                        |
| 13.02867      | -1.32                  | 1.002               | 7.82E-01            | 3.75E-01                 | 120                  | 3                        | 3                        |
| 13.10925      | -1.22                  | 1.002               | 7.87E-01            | 3.78E-01                 | 120                  | 3                        | 3                        |
| 13.18724      | -1.25                  | 1.001               | 7.91E-01            | 3.80E-01                 | 120                  | 5                        | 5                        |
| 13.26003      | -1.16                  | 1.002               | 7.96E-01            | 3.82E-01                 | 120                  | 5                        | 5                        |
| 13.33109      | -1.37                  | 1.001               | 8.00E-01            | 3.84E-01                 | 120                  | 5                        | 5                        |
| 13.40257      | -1.52                  | 1.002               | 8.04E-01            | 3.86E-01                 | 120                  | 5                        | 5                        |
| 13.47493      | -1.18                  | 1.002               | 8.09E-01            | 3.88E-01                 | 120                  | 5                        | 5                        |
| 13.55378      | -1.4                   | 1.001               | 8.13E-01            | 3.90E-01                 | 120                  | 6                        | 6                        |
| 13.62614      | -1.24                  | 1.001               | 8.18E-01            | 3.92E-01                 | 120                  | 6                        | 6                        |
| 13.70759      | -1.39                  | 1.002               | 8.23E-01            | 3.95E-01                 | 120                  | 6                        | 6                        |
| 13.77908      | -1.22                  | 1.001               | 8.27E-01            | 3.97E-01                 | 120                  | 6                        | 6                        |
| 13.85187      | -1.29                  | 1.001               | 8.31E-01            | 3.99E-01                 | 120                  | 6                        | 6                        |
| 13.93332      | -1.36                  | 1.002               | 8.36E-01            | 4.01E-01                 | 120                  | 6                        | 6                        |
| 14.00524      | -1.37                  | 1.001               | 8.40E-01            | 4.03E-01                 | 120                  | 6                        | 6                        |
| 14.07717      | -1.19                  | 1.002               | 8.45E-01            | 4.05E-01                 | 120                  | 6                        | 6                        |
| 14.15039      | -1.09                  | 1.002               | 8.49E-01            | 4.08E-01                 | 120                  | 6                        | 6                        |
| 14.22274      | -1.25                  | 1                   | 8.53E-01            | 4.10E-01                 | 120                  | 6                        | 6                        |
| 14.29986      | -1.36                  | 1.001               | 8.58E-01            | 4.12E-01                 | 120                  | 6                        | 7                        |
| 14.37135      | -1.03                  | 1.001               | 8.62E-01            | 4.14E-01                 | 120                  | 6                        | 7                        |
| 14.44501      | -1.32                  | 1.001               | 8.67E-01            | 4.16E-01                 | 120                  | 7                        | 7                        |
| 14.5178       | -1.22                  | 1.002               | 8.71E-01            | 4.18E-01                 | 120                  | 7                        | 7                        |
| 14.74266      | -1.15                  | 1.002               | 8.85E-01            | 4.25E-01                 | 120                  | 7                        | 7                        |
| 14.81674      | -1.31                  | 1.002               | 8.89E-01            | 4.27E-01                 | 120                  | 7                        | 7                        |
| 14.89083      | -1.19                  | 1.002               | 8.93E-01            | 4.29E-01                 | 120                  | 7                        | 7                        |
| 14.97142      | -1.09                  | 1.002               | 8.98E-01            | 4.31E-01                 | 120                  | 7                        | 7                        |
| 15.04594      | -1.15                  | 1.002               | 9.03E-01            | 4.33E-01                 | 120                  | 7                        | 7                        |
| 15.12003      | -1.33                  | 1.001               | 9.07E-01            | 4.36E-01                 | 120                  | 7                        | 7                        |
| 15.19672      | -1.38                  | 1.002               | 9.12E-01            | 4.38E-01                 | 120                  | 7                        | 7                        |
| 15.27254      | -1.17                  | 1.001               | 9.16E-01            | 4.40E-01                 | 120                  | 7                        | 7                        |
| 15.35573      | -1.43                  | 1.002               | 9.21E-01            | 4.42E-01                 | 120                  | 7                        | 7                        |
| 15.43328      | -1.34                  | 1.002               | 9.26E-01            | 4.45E-01                 | 120                  | 7                        | 7                        |
| 15.50867      | -1.42                  | 1.002               | 9.31E-01            | 4.47E-01                 | 120                  | 7                        | 7                        |
| 15.58622      | -1.28                  | 1.001               | 9.35E-01            | 4.49E-01                 | 120                  | 7                        | 7                        |

| Depth<br>(ft) | Inclination Y<br>(deg) | Excitation<br>(Vdc) | Overburden<br>(tsf) | Eff. Overburden<br>(tsf) | Wet Density<br>(pcf) | Class. FR<br>(Rob. 1990) | Class. PP<br>(Rob. 1990) |
|---------------|------------------------|---------------------|---------------------|--------------------------|----------------------|--------------------------|--------------------------|
| 15.66291      | -1.13                  | 1.002               | 9.40E-01            | 4.51E-01                 | 120                  | 7                        | 7                        |
| 15.74653      | -1.27                  | 1.002               | 9.45E-01            | 4.54E-01                 | 120                  | 7                        | 7                        |
| 15.82365      | -1.14                  | 1.001               | 9.49E-01            | 4.56E-01                 | 120                  | 7                        | 7                        |
| 15.89947      | -1.33                  | 1.001               | 9.54E-01            | 4.58E-01                 | 120                  | 7                        | 7                        |
| 15.97572      | -1.44                  | 1.002               | 9.59E-01            | 4.60E-01                 | 120                  | 7                        | 7                        |
| 16.05371      | -1.29                  | 1.001               | 9.63E-01            | 4.62E-01                 | 120                  | 7                        | 7                        |
| 16.1499       | -1.51                  | 1.002               | 9.69E-01            | 4.65E-01                 | 120                  | 7                        | 7                        |
| 16.26515      | -1.19                  | 1.001               | 9.76E-01            | 4.68E-01                 | 120                  | 7                        | 7                        |
| 16.3427       | -1.29                  | 1.002               | 9.81E-01            | 4.71E-01                 | 120                  | 6                        | 7                        |
| 16.42155      | -1.26                  | 1.002               | 9.85E-01            | 4.73E-01                 | 120                  | 6                        | 7                        |
| 16.50474      | -1.18                  | 1.002               | 9.90E-01            | 4.75E-01                 | 120                  | 6                        | 7                        |
| 16.58273      | -1.13                  | 1.001               | 9.95E-01            | 4.78E-01                 | 120                  | 6                        | 6                        |
| 16.65941      | -1.5                   | 1.002               | 1.00E+00            | 4.80E-01                 | 120                  | 6                        | 6                        |
| 16.73784      | -1.17                  | 1.001               | 1.00E+00            | 4.82E-01                 | 120                  | 6                        | 6                        |
| 16.81452      | -1.26                  | 1                   | 1.01E+00            | 4.84E-01                 | 120                  | 6                        | 6                        |
| 16.91418      | -1.5                   | 1.002               | 1.02E+00            | 4.87E-01                 | 120                  | 5                        | 6                        |
| 16.9913       | -1.23                  | 1.002               | 1.02E+00            | 4.89E-01                 | 120                  | 5                        | 6                        |
| 17.06842      | -1.2                   | 1.002               | 1.02E+00            | 4.92E-01                 | 120                  | 5                        | 6                        |
| 17.1438       | -1.18                  | 1.001               | 1.03E+00            | 4.94E-01                 | 120                  | 5                        | 6                        |
| 17.22049      | -1.17                  | 1.002               | 1.03E+00            | 4.96E-01                 | 120                  | 5                        | 6                        |
| 17.30281      | -1.62                  | 1.002               | 1.04E+00            | 4.98E-01                 | 120                  | 5                        | 6                        |
| 17.38037      | -1.57                  | 1.001               | 1.04E+00            | 5.01E-01                 | 120                  | 6                        | 6                        |
| 17.45749      | -1.4                   | 1.001               | 1.05E+00            | 5.03E-01                 | 120                  | 6                        | 6                        |
| 17.53244      | -1.61                  | 1.002               | 1.05E+00            | 5.05E-01                 | 120                  | 6                        | 6                        |
| 17.60826      | -1.28                  | 1.002               | 1.06E+00            | 5.07E-01                 | 120                  | 6                        | 6                        |
| 17.69405      | -1.55                  | 1.002               | 1.06E+00            | 5.10E-01                 | 120                  | 6                        | 6                        |
| 17.77204      | -1.23                  | 1.002               | 1.07E+00            | 5.12E-01                 | 120                  | 6                        | 6                        |
| 17.97524      | -1.32                  | 1.002               | 1.08E+00            | 5.18E-01                 | 120                  | 6                        | 7                        |
| 18.05799      | -1.49                  | 1.002               | 1.08E+00            | 5.20E-01                 | 120                  | 7                        | 7                        |
| 18.13641      | -1.14                  | 1.001               | 1.09E+00            | 5.22E-01                 | 120                  | 7                        | 7                        |
| 18.21397      | -1.43                  | 1.002               | 1.09E+00            | 5.25E-01                 | 120                  | 7                        | 7                        |
| 18.29282      | -1.66                  | 1.002               | 1.10E+00            | 5.27E-01                 | 120                  | 7                        | 7                        |
| 18.37081      | -1.48                  | 1.001               | 1.10E+00            | 5.29E-01                 | 120                  | 7                        | 7                        |
| 18.46006      | -1.34                  | 1.001               | 1.11E+00            | 5.32E-01                 | 120                  | 7                        | 7                        |
| 18.53718      | -1.33                  | 1.001               | 1.11E+00            | 5.34E-01                 | 120                  | 7                        | 7                        |
| 18.61604      | -1.28                  | 1.002               | 1.12E+00            | 5.36E-01                 | 120                  | 6                        | 7                        |
| 18.69619      | -1.21                  | 1.001               | 1.12E+00            | 5.38E-01                 | 120                  | 6                        | 7                        |
| 18.78068      | -1.41                  | 1.002               | 1.13E+00            | 5.41E-01                 | 120                  | 6                        | 6                        |
| 18.8643       | -1.23                  | 1.002               | 1.13E+00            | 5.43E-01                 | 120                  | 6                        | 6                        |
| 18.94445      | -1.3                   | 1.001               | 1.14E+00            | 5.46E-01                 | 120                  | 6                        | 6                        |
| 19.0233       | -1.2                   | 1.002               | 1.14E+00            | 5.48E-01                 | 120                  | 6                        | 6                        |
| 19.10259      | -1.26                  | 1.002               | 1.15E+00            | 5.50E-01                 | 120                  | 6                        | 6                        |
| 19.18058      | -1.59                  | 1.001               | 1.15E+00            | 5.52E-01                 | 120                  | 6                        | 6                        |
| 19.26723      | -1.42                  | 1.002               | 1.16E+00            | 5.55E-01                 | 120                  | 5                        | 6                        |
| 19.34652      | -1.14                  | 1.002               | 1.16E+00            | 5.57E-01                 | 120                  | 5                        | 6                        |

| Depth<br>(ft) | Inclination Y<br>(deg) | Excitation<br>(Vdc) | Overburden<br>(tsf) | Eff. Overburden<br>(tsf) | Wet Density<br>(pcf) | Class. FR<br>(Rob. 1990) | Class. PP<br>(Rob. 1990) |
|---------------|------------------------|---------------------|---------------------|--------------------------|----------------------|--------------------------|--------------------------|
| 19.42667      | -1.2                   | 1.002               | 1.17E+00            | 5.60E-01                 | 120                  | 4                        | 6                        |
| 19.52459      | -1.44                  | 1.002               | 1.17E+00            | 5.62E-01                 | 120                  | 3                        | 5                        |
| 19.63724      | -1.36                  | 1.002               | 1.18E+00            | 5.66E-01                 | 120                  | 3                        | 5                        |
| 19.71523      | -1.13                  | 1.002               | 1.18E+00            | 5.68E-01                 | 120                  | 4                        | 5                        |
| 19.79581      | -1.62                  | 1.001               | 1.19E+00            | 5.70E-01                 | 120                  | 5                        | 6                        |
| 19.87467      | -1.46                  | 1.002               | 1.19E+00            | 5.72E-01                 | 120                  | 6                        | 6                        |
| 19.95352      | -1.27                  | 1.002               | 1.20E+00            | 5.75E-01                 | 120                  | 6                        | 6                        |
| 20.03844      | -1.55                  | 1.001               | 1.20E+00            | 5.77E-01                 | 120                  | 6                        | 7                        |
| 20.12769      | -1.65                  | 1.002               | 1.21E+00            | 5.80E-01                 | 120                  | 6                        | 7                        |
| 20.20741      | -1.49                  | 1.001               | 1.21E+00            | 5.82E-01                 | 120                  | 7                        | 7                        |
| 20.288        | -1.48                  | 1.002               | 1.22E+00            | 5.84E-01                 | 120                  | 7                        | 7                        |
| 20.36685      | -1.5                   | 1.002               | 1.22E+00            | 5.87E-01                 | 120                  | 7                        | 7                        |
| 20.45697      | -1.48                  | 1.002               | 1.23E+00            | 5.89E-01                 | 120                  | 7                        | 7                        |
| 20.53713      | -1.52                  | 1.001               | 1.23E+00            | 5.92E-01                 | 120                  | 6                        | 7                        |
| 20.61815      | -1.4                   | 1.002               | 1.24E+00            | 5.94E-01                 | 120                  | 6                        | 7                        |
| 20.70567      | -1.69                  | 1.002               | 1.24E+00            | 5.96E-01                 | 120                  | 6                        | 7                        |
| 20.78582      | -1.52                  | 1.002               | 1.25E+00            | 5.99E-01                 | 120                  | 6                        | 7                        |
| 20.87724      | -1.72                  | 1.002               | 1.25E+00            | 6.01E-01                 | 120                  | 6                        | 6                        |
| 20.95913      | -1.35                  | 1.001               | 1.26E+00            | 6.04E-01                 | 120                  | 6                        | 6                        |
| 21.03928      | -1.59                  | 1.002               | 1.26E+00            | 6.06E-01                 | 120                  | 6                        | 6                        |
| 21.11727      | -1.68                  | 1.002               | 1.27E+00            | 6.08E-01                 | 120                  | 6                        | 6                        |
| 21.19309      | -1.54                  | 1.002               | 1.27E+00            | 6.10E-01                 | 120                  | 5                        | 6                        |
| 21.27151      | -1.81                  | 1.002               | 1.28E+00            | 6.13E-01                 | 120                  | 5                        | 6                        |
| 21.35079      | -1.73                  | 1.002               | 1.28E+00            | 6.15E-01                 | 120                  | 4                        | 5                        |
| 21.43875      | -1.68                  | 1.002               | 1.29E+00            | 6.17E-01                 | 120                  | 3                        | 5                        |
| 21.51803      | -1.41                  | 1.002               | 1.29E+00            | 6.20E-01                 | 120                  | 3                        | 5                        |
| 21.59732      | -1.44                  | 1.001               | 1.30E+00            | 6.22E-01                 | 120                  | 3                        | 5                        |
| 21.67791      | -1.67                  | 1.001               | 1.30E+00            | 6.24E-01                 | 120                  | 3                        | 5                        |
| 21.75806      | -1.66                  | 1.002               | 1.31E+00            | 6.27E-01                 | 120                  | 3                        | 5                        |
| 21.84428      | -1.49                  | 1.002               | 1.31E+00            | 6.29E-01                 | 120                  | 4                        | 5                        |
| 21.92487      | -1.57                  | 1.002               | 1.32E+00            | 6.31E-01                 | 120                  | 4                        | 4                        |
| 22.00502      | -1.65                  | 1.002               | 1.32E+00            | 6.34E-01                 | 120                  | 4                        | 4                        |
| 22.08561      | -1.4                   | 1.002               | 1.33E+00            | 6.36E-01                 | 120                  | 4                        | 4                        |
| 22.1662       | -1.5                   | 1.002               | 1.33E+00            | 6.38E-01                 | 120                  | 4                        | 4                        |
| 22.25372      | -1.53                  | 1.002               | 1.34E+00            | 6.41E-01                 | 120                  | 4                        | 4                        |
| 22.33344      | -1.61                  | 1.002               | 1.34E+00            | 6.43E-01                 | 120                  | 4                        | 3                        |
| 22.41359      | -1.62                  | 1.002               | 1.35E+00            | 6.46E-01                 | 120                  | 3                        | 3                        |
| 22.49375      | -1.57                  | 1.001               | 1.35E+00            | 6.48E-01                 | 120                  | 3                        | 3                        |
| 22.57563      | -1.53                  | 1.001               | 1.36E+00            | 6.50E-01                 | 120                  | 3                        | 3                        |
| 22.66445      | -1.66                  | 1.002               | 1.36E+00            | 6.53E-01                 | 120                  | 3                        | 3                        |
| 22.74504      | -1.72                  | 1.002               | 1.37E+00            | 6.55E-01                 | 120                  | 3                        | 3                        |
| 22.82433      | -1.68                  | 1.002               | 1.37E+00            | 6.57E-01                 | 120                  | 3                        | 3                        |
| 22.89581      | -1.69                  | 1.001               | 1.37E+00            | 6.59E-01                 | 120                  | 3                        | 3                        |
| 22.96167      | -1.8                   | 1.002               | 1.38E+00            | 6.61E-01                 | 120                  | 3                        | 3                        |
| 23.03749      | -1.6                   | 1.001               | 1.38E+00            | 6.64E-01                 | 120                  | 4                        | 4                        |

| Depth<br>(ft) | Inclination Y<br>(deg) | Excitation<br>(Vdc) | Overburden<br>(tsf) | Eff. Overburden<br>(tsf) | Wet Density<br>(pcf) | Class. FR<br>(Rob. 1990) | Class. PP<br>(Rob. 1990) |
|---------------|------------------------|---------------------|---------------------|--------------------------|----------------------|--------------------------|--------------------------|
| 23.10465      | -1.8                   | 1.001               | 1.39E+00            | 6.65E-01                 | 120                  | 4                        | 4                        |
| 23.18133      | -1.65                  | 1.002               | 1.39E+00            | 6.68E-01                 | 120                  | 5                        | 5                        |
| 23.24849      | -1.68                  | 1                   | 1.40E+00            | 6.70E-01                 | 120                  | 4                        | 5                        |
| 23.32691      | -1.61                  | 1.002               | 1.40E+00            | 6.72E-01                 | 120                  | 4                        | 4                        |
| 23.3945       | -1.54                  | 1.001               | 1.40E+00            | 6.74E-01                 | 120                  | 4                        | 4                        |
| 23.46252      | -1.53                  | 1.001               | 1.41E+00            | 6.76E-01                 | 120                  | 4                        | 4                        |
| 23.52968      | -1.66                  | 1.002               | 1.41E+00            | 6.78E-01                 | 120                  | 4                        | 4                        |
| 23.60333      | -1.76                  | 1.002               | 1.42E+00            | 6.80E-01                 | 120                  | 5                        | 5                        |
| 23.67569      | -1.62                  | 1.002               | 1.42E+00            | 6.82E-01                 | 120                  | 6                        | 6                        |
| 23.74284      | -1.89                  | 1.002               | 1.43E+00            | 6.84E-01                 | 120                  | 6                        | 6                        |
| 23.80913      | -1.57                  | 1.002               | 1.43E+00            | 6.86E-01                 | 120                  | 7                        | 7                        |
| 23.87629      | -1.54                  | 1                   | 1.43E+00            | 6.88E-01                 | 120                  | 7                        | 7                        |
| 23.94431      | -1.67                  | 1.002               | 1.44E+00            | 6.90E-01                 | 120                  | 7                        | 7                        |
| 24.01797      | -1.7                   | 1.002               | 1.44E+00            | 6.92E-01                 | 120                  | 7                        | 7                        |
| 24.08512      | -1.64                  | 1.001               | 1.45E+00            | 6.94E-01                 | 120                  | 7                        | 7                        |
| 24.15401      | -1.65                  | 1.001               | 1.45E+00            | 6.96E-01                 | 120                  | 7                        | 7                        |
| 24.2242       | -1.85                  | 1.002               | 1.45E+00            | 6.98E-01                 | 120                  | 7                        | 7                        |
| 24.50669      | -1.84                  | 1.002               | 1.47E+00            | 7.06E-01                 | 120                  | 7                        | 7                        |
| 24.57471      | -1.7                   | 1.001               | 1.47E+00            | 7.08E-01                 | 120                  | 7                        | 7                        |
| 24.641        | -1.59                  | 1.002               | 1.48E+00            | 7.10E-01                 | 120                  | 7                        | 7                        |
| 24.70772      | -1.63                  | 1.002               | 1.48E+00            | 7.12E-01                 | 120                  | 7                        | 7                        |
| 24.77661      | -1.68                  | 1.001               | 1.49E+00            | 7.14E-01                 | 120                  | 7                        | 7                        |
| 24.85373      | -1.7                   | 1.002               | 1.49E+00            | 7.16E-01                 | 120                  | 7                        | 7                        |
| 24.92219      | -1.71                  | 1.002               | 1.50E+00            | 7.18E-01                 | 120                  | 7                        | 7                        |
| 24.99281      | -1.66                  | 1.001               | 1.50E+00            | 7.20E-01                 | 120                  | 7                        | 7                        |
| 25.06213      | -1.76                  | 1.002               | 1.50E+00            | 7.22E-01                 | 120                  | 7                        | 7                        |
| 25.13232      | -1.74                  | 1.002               | 1.51E+00            | 7.24E-01                 | 120                  | 7                        | 7                        |
| 25.20771      | -1.8                   | 1.002               | 1.51E+00            | 7.26E-01                 | 120                  | 7                        | 7                        |
| 25.27746      | -1.7                   | 1.002               | 1.52E+00            | 7.28E-01                 | 120                  | 7                        | 7                        |
| 25.34809      | -1.78                  | 1.002               | 1.52E+00            | 7.30E-01                 | 120                  | 7                        | 7                        |
| 25.41828      | -1.81                  | 1.002               | 1.53E+00            | 7.32E-01                 | 120                  | 7                        | 7                        |
| 25.4876       | -1.8                   | 1.001               | 1.53E+00            | 7.34E-01                 | 120                  | 7                        | 7                        |
| 25.56385      | -1.9                   | 1.002               | 1.53E+00            | 7.36E-01                 | 120                  | 7                        | 7                        |
| 25.63274      | -1.87                  | 1.001               | 1.54E+00            | 7.38E-01                 | 120                  | 7                        | 7                        |
| 25.70293      | -1.86                  | 1.002               | 1.54E+00            | 7.40E-01                 | 120                  | 7                        | 7                        |
| 25.77312      | -1.68                  | 1.002               | 1.55E+00            | 7.42E-01                 | 120                  | 7                        | 7                        |
| 25.8446       | -1.57                  | 1.001               | 1.55E+00            | 7.44E-01                 | 120                  | 7                        | 7                        |
| 25.92216      | -1.7                   | 1.001               | 1.56E+00            | 7.47E-01                 | 120                  | 7                        | 7                        |
| 25.99278      | -1.81                  | 1.002               | 1.56E+00            | 7.49E-01                 | 120                  | 7                        | 7                        |
| 26.06427      | -1.71                  | 1.002               | 1.56E+00            | 7.51E-01                 | 120                  | 7                        | 7                        |
| 26.13489      | -1.79                  | 1.002               | 1.57E+00            | 7.53E-01                 | 120                  | 7                        | 7                        |
| 26.20205      | -1.62                  | 1.002               | 1.57E+00            | 7.55E-01                 | 120                  | 7                        | 7                        |
| 26.2991       | -1.61                  | 1.002               | 1.58E+00            | 7.57E-01                 | 120                  | 7                        | 7                        |
| 26.37189      | -1.71                  | 1.001               | 1.58E+00            | 7.60E-01                 | 120                  | 7                        | 7                        |
| 26.44467      | -1.8                   | 1.001               | 1.59E+00            | 7.62E-01                 | 120                  | 7                        | 7                        |

| Depth<br>(ft) | Inclination Y<br>(deg) | Excitation<br>(Vdc) | Overburden<br>(tsf) | Eff. Overburden<br>(tsf) | Wet Density<br>(pcf) | Class. FR<br>(Rob. 1990) | Class. PP<br>(Rob. 1990) |
|---------------|------------------------|---------------------|---------------------|--------------------------|----------------------|--------------------------|--------------------------|
| 26.51616      | -1.83                  | 1.001               | 1.59E+00            | 7.64E-01                 | 120                  | 7                        | 7                        |
| 26.58852      | -1.68                  | 1.002               | 1.60E+00            | 7.66E-01                 | 120                  | 7                        | 7                        |
| 26.67604      | -1.66                  | 1                   | 1.60E+00            | 7.68E-01                 | 120                  | 7                        | 7                        |
| 26.74796      | -1.75                  | 1.001               | 1.61E+00            | 7.70E-01                 | 120                  | 7                        | 7                        |
| 26.81988      | -1.75                  | 1.002               | 1.61E+00            | 7.72E-01                 | 120                  | 7                        | 7                        |
| 26.89137      | -2                     | 1.002               | 1.61E+00            | 7.75E-01                 | 120                  | 7                        | 7                        |
| 26.97282      | -1.92                  | 1.001               | 1.62E+00            | 7.77E-01                 | 120                  | 7                        | 7                        |
| 27.04734      | -1.78                  | 1.001               | 1.62E+00            | 7.79E-01                 | 120                  | 7                        | 7                        |
| 27.11883      | -2.05                  | 1.002               | 1.63E+00            | 7.81E-01                 | 120                  | 6                        | 7                        |
| 27.19076      | -2.04                  | 1.002               | 1.63E+00            | 7.83E-01                 | 120                  | 6                        | 7                        |
| 27.26094      | -1.62                  | 1.002               | 1.64E+00            | 7.85E-01                 | 120                  | 6                        | 7                        |
| 27.33937      | -1.71                  | 1.002               | 1.64E+00            | 7.87E-01                 | 120                  | 6                        | 7                        |
| 27.41129      | -2.19                  | 1.001               | 1.65E+00            | 7.89E-01                 | 120                  | 6                        | 6                        |
| 27.48321      | -2.17                  | 1.002               | 1.65E+00            | 7.92E-01                 | 120                  | 6                        | 6                        |
| 27.67731      | -2.05                  | 1.001               | 1.66E+00            | 7.97E-01                 | 120                  | 6                        | 6                        |
| 27.74577      | -1.95                  | 1.002               | 1.67E+00            | 7.99E-01                 | 120                  | 6                        | 6                        |
| 27.81812      | -1.8                   | 1.002               | 1.67E+00            | 8.01E-01                 | 120                  | 6                        | 6                        |
| 27.89351      | -2.24                  | 1.002               | 1.67E+00            | 8.03E-01                 | 120                  | 6                        | 6                        |
| 27.9637       | -1.89                  | 1.001               | 1.68E+00            | 8.05E-01                 | 120                  | 6                        | 6                        |
| 28.03302      | -1.83                  | 1.002               | 1.68E+00            | 8.07E-01                 | 120                  | 5                        | 6                        |
| 28.10364      | -1.8                   | 1.001               | 1.69E+00            | 8.09E-01                 | 120                  | 5                        | 6                        |
| 28.17383      | -1.78                  | 1.002               | 1.69E+00            | 8.11E-01                 | 120                  | 5                        | 6                        |
| 28.24965      | -1.96                  | 1.001               | 1.70E+00            | 8.14E-01                 | 120                  | 5                        | 6                        |
| 28.31984      | -1.83                  | 1.002               | 1.70E+00            | 8.16E-01                 | 120                  | 6                        | 6                        |
| 28.39393      | -2.14                  | 1.001               | 1.70E+00            | 8.18E-01                 | 120                  | 6                        | 6                        |
| 28.46282      | -1.61                  | 1.001               | 1.71E+00            | 8.20E-01                 | 120                  | 6                        | 6                        |
| 28.53387      | -1.83                  | 1.002               | 1.71E+00            | 8.22E-01                 | 120                  | 6                        | 6                        |
| 28.61533      | -1.47                  | 1.001               | 1.72E+00            | 8.24E-01                 | 120                  | 6                        | 6                        |
| 28.68638      | -1.59                  | 1.002               | 1.72E+00            | 8.26E-01                 | 120                  | 6                        | 6                        |
| 28.75744      | -2.2                   | 1.001               | 1.73E+00            | 8.28E-01                 | 120                  | 6                        | 6                        |
| 28.82806      | -2.23                  | 1.002               | 1.73E+00            | 8.30E-01                 | 120                  | 6                        | 6                        |
| 28.90041      | -2.18                  | 1.002               | 1.73E+00            | 8.32E-01                 | 120                  | 6                        | 6                        |
| 28.9784       | -1.75                  | 1.002               | 1.74E+00            | 8.35E-01                 | 120                  | 6                        | 6                        |
| 29.05076      | -2.08                  | 1.001               | 1.74E+00            | 8.37E-01                 | 120                  | 6                        | 6                        |
| 29.12268      | -2.16                  | 1.002               | 1.75E+00            | 8.39E-01                 | 120                  | 6                        | 6                        |
| 29.19547      | -1.94                  | 1.002               | 1.75E+00            | 8.41E-01                 | 120                  | 6                        | 6                        |
| 29.26739      | -2.03                  | 1.002               | 1.76E+00            | 8.43E-01                 | 120                  | 6                        | 6                        |
| 29.34711      | -1.95                  | 1.001               | 1.76E+00            | 8.45E-01                 | 120                  | 6                        | 6                        |
| 29.41946      | -1.88                  | 1.002               | 1.77E+00            | 8.47E-01                 | 120                  | 6                        | 6                        |
| 29.49225      | -2.12                  | 1.002               | 1.77E+00            | 8.49E-01                 | 120                  | 6                        | 6                        |
| 29.56201      | -2.03                  | 1.001               | 1.77E+00            | 8.51E-01                 | 120                  | 6                        | 6                        |
| 29.66556      | -1.89                  | 1.001               | 1.78E+00            | 8.54E-01                 | 120                  | 6                        | 6                        |
| 29.74874      | -1.97                  | 1.002               | 1.79E+00            | 8.57E-01                 | 120                  | 6                        | 6                        |
| 29.82153      | -1.99                  | 1.002               | 1.79E+00            | 8.59E-01                 | 120                  | 6                        | 6                        |
| 29.90169      | -1.71                  | 1.001               | 1.79E+00            | 8.61E-01                 | 120                  | 6                        | 6                        |

| Depth<br>(ft) | Inclination Y<br>(deg) | Excitation<br>(Vdc) | Overburden<br>(tsf) | Eff. Overburden<br>(tsf) | Wet Density<br>(pcf) | Class. FR<br>(Rob. 1990) | Class. PP<br>(Rob. 1990) |
|---------------|------------------------|---------------------|---------------------|--------------------------|----------------------|--------------------------|--------------------------|
| 29.97404      | -1.8                   | 1.001               | 1.80E+00            | 8.63E-01                 | 120                  | 6                        | 6                        |
| 30.05333      | -1.92                  | 1.002               | 1.80E+00            | 8.66E-01                 | 120                  | 6                        | 6                        |
| 30.12568      | -1.93                  | 1.001               | 1.81E+00            | 8.68E-01                 | 120                  | 6                        | 6                        |
| 30.19804      | -2.05                  | 1.001               | 1.81E+00            | 8.70E-01                 | 120                  | 6                        | 6                        |
| 30.27126      | -2.15                  | 1.002               | 1.82E+00            | 8.72E-01                 | 120                  | 6                        | 6                        |
| 30.34405      | -2.07                  | 1.002               | 1.82E+00            | 8.74E-01                 | 120                  | 6                        | 6                        |
| 30.4268       | -2.12                  | 1.001               | 1.83E+00            | 8.76E-01                 | 120                  | 6                        | 6                        |
| 30.49786      | -2.14                  | 1.002               | 1.83E+00            | 8.78E-01                 | 120                  | 6                        | 6                        |
| 30.57065      | -1.76                  | 1.001               | 1.83E+00            | 8.80E-01                 | 120                  | 6                        | 6                        |
| 30.64343      | -1.94                  | 1.001               | 1.84E+00            | 8.83E-01                 | 120                  | 6                        | 6                        |
| 30.71926      | -1.84                  | 1.001               | 1.84E+00            | 8.85E-01                 | 120                  | 6                        | 6                        |
| 30.75825      | -1.88                  | 1.001               | 1.85E+00            | 8.86E-01                 | 120                  | 6                        | 6                        |
| 30.8241       | -2.17                  | 1.002               | 1.85E+00            | 8.88E-01                 | 120                  | 6                        | 7                        |
| 30.89949      | -1.99                  | 1.001               | 1.85E+00            | 8.90E-01                 | 120                  | 6                        | 7                        |
| 30.97401      | -1.92                  | 1.001               | 1.86E+00            | 8.92E-01                 | 120                  | 6                        | 7                        |
| 31.0468       | -1.79                  | 1.001               | 1.86E+00            | 8.94E-01                 | 120                  | 6                        | 7                        |
| 31.11916      | -1.96                  | 1.001               | 1.87E+00            | 8.96E-01                 | 120                  | 6                        | 7                        |
| 31.19238      | -1.95                  | 1.001               | 1.87E+00            | 8.98E-01                 | 120                  | 6                        | 7                        |
| 31.27643      | -1.8                   | 1.002               | 1.88E+00            | 9.01E-01                 | 120                  | 6                        | 7                        |
| 31.35095      | -1.87                  | 1.001               | 1.88E+00            | 9.03E-01                 | 120                  | 6                        | 7                        |
| 31.42417      | -2.1                   | 1.001               | 1.89E+00            | 9.05E-01                 | 120                  | 6                        | 7                        |
| 31.49826      | -2.27                  | 1.002               | 1.89E+00            | 9.07E-01                 | 120                  | 6                        | 7                        |
| 31.57278      | -2.01                  | 1.001               | 1.89E+00            | 9.09E-01                 | 120                  | 6                        | 7                        |
| 31.65294      | -1.79                  | 1.001               | 1.90E+00            | 9.12E-01                 | 120                  | 6                        | 7                        |
| 31.72616      | -1.75                  | 1.001               | 1.90E+00            | 9.14E-01                 | 120                  | 6                        | 7                        |
| 31.80241      | -2.07                  | 1.001               | 1.91E+00            | 9.16E-01                 | 120                  | 6                        | 7                        |
| 31.8765       | -1.97                  | 1.001               | 1.91E+00            | 9.18E-01                 | 120                  | 6                        | 7                        |
| 31.95016      | -2                     | 1.001               | 1.92E+00            | 9.20E-01                 | 120                  | 6                        | 7                        |
| 32.03074      | -1.75                  | 1.001               | 1.92E+00            | 9.23E-01                 | 120                  | 6                        | 7                        |
| 32.1057       | -1.86                  | 1.001               | 1.93E+00            | 9.25E-01                 | 120                  | 6                        | 7                        |
| 32.17979      | -1.87                  | 1.002               | 1.93E+00            | 9.27E-01                 | 120                  | 6                        | 7                        |
| 32.2556       | -1.8                   | 1.001               | 1.94E+00            | 9.29E-01                 | 120                  | 6                        | 7                        |
| 32.33013      | -1.65                  | 1.001               | 1.94E+00            | 9.31E-01                 | 120                  | 6                        | 7                        |
| 32.41462      | -2.05                  | 1.001               | 1.95E+00            | 9.34E-01                 | 120                  | 6                        | 7                        |
| 32.5004       | -1.66                  | 1.002               | 1.95E+00            | 9.36E-01                 | 120                  | 6                        | 7                        |
| 32.58792      | -1.78                  | 1.001               | 1.96E+00            | 9.39E-01                 | 120                  | 6                        | 7                        |
| 32.65291      | -1.68                  | 1.001               | 1.96E+00            | 9.40E-01                 | 120                  | 7                        | 7                        |
| 32.73003      | -1.76                  | 1.001               | 1.96E+00            | 9.43E-01                 | 120                  | 7                        | 7                        |
| 32.79285      | -1.7                   | 1.001               | 1.97E+00            | 9.44E-01                 | 120                  | 7                        | 7                        |
| 32.85351      | -1.92                  | 1.001               | 1.97E+00            | 9.46E-01                 | 120                  | 7                        | 7                        |
| 32.92326      | -1.66                  | 1.001               | 1.98E+00            | 9.48E-01                 | 120                  | 7                        | 7                        |
| 32.98869      | -1.89                  | 1.001               | 1.98E+00            | 9.50E-01                 | 120                  | 7                        | 7                        |
| 33.06191      | -1.87                  | 1.001               | 1.98E+00            | 9.52E-01                 | 120                  | 7                        | 7                        |
| 33.13037      | -1.84                  | 1.002               | 1.99E+00            | 9.54E-01                 | 120                  | 7                        | 7                        |
| 33.19709      | -1.93                  | 1.001               | 1.99E+00            | 9.56E-01                 | 120                  | 7                        | 7                        |

| Depth<br>(ft) | Inclination Y<br>(deg) | Excitation<br>(Vdc) | Overburden<br>(tsf) | Eff. Overburden<br>(tsf) | Wet Density<br>(pcf) | Class. FR<br>(Rob. 1990) | Class. PP<br>(Rob. 1990) |
|---------------|------------------------|---------------------|---------------------|--------------------------|----------------------|--------------------------|--------------------------|
| 33.26381      | -1.84                  | 1.001               | 2.00E+00            | 9.58E-01                 | 120                  | 7                        | 7                        |
| 33.33053      | -1.71                  | 1.001               | 2.00E+00            | 9.60E-01                 | 120                  | 7                        | 7                        |
| 33.40419      | -1.92                  | 1.001               | 2.00E+00            | 9.62E-01                 | 120                  | 7                        | 7                        |
| 33.47091      | -2                     | 1.001               | 2.01E+00            | 9.64E-01                 | 120                  | 7                        | 7                        |
| 33.53763      | -1.85                  | 1.001               | 2.01E+00            | 9.66E-01                 | 120                  | 7                        | 7                        |
| 33.60436      | -1.76                  | 1.002               | 2.02E+00            | 9.68E-01                 | 120                  | 7                        | 7                        |
| 33.67065      | -1.8                   | 1.001               | 2.02E+00            | 9.70E-01                 | 120                  | 7                        | 7                        |
| 33.743        | -1.7                   | 1.001               | 2.03E+00            | 9.72E-01                 | 120                  | 7                        | 7                        |
| 33.81016      | -1.83                  | 1.001               | 2.03E+00            | 9.74E-01                 | 120                  | 6                        | 7                        |
| 33.87818      | -1.81                  | 1.001               | 2.03E+00            | 9.76E-01                 | 120                  | 6                        | 7                        |
| 33.94707      | -1.54                  | 1.001               | 2.04E+00            | 9.78E-01                 | 120                  | 6                        | 7                        |
| 34.03025      | -1.76                  | 1.001               | 2.04E+00            | 9.80E-01                 | 120                  | 6                        | 7                        |
| 34.09005      | -1.82                  | 1.001               | 2.05E+00            | 9.82E-01                 | 120                  | 6                        | 7                        |
| 34.15807      | -1.77                  | 1.001               | 2.05E+00            | 9.84E-01                 | 120                  | 6                        | 7                        |
| 34.22392      | -1.79                  | 1.002               | 2.05E+00            | 9.86E-01                 | 120                  | 6                        | 7                        |
| 34.28718      | -1.69                  | 1.001               | 2.06E+00            | 9.88E-01                 | 120                  | 6                        | 7                        |
| 34.3513       | -1.92                  | 1.002               | 2.06E+00            | 9.89E-01                 | 120                  | 6                        | 7                        |
| 34.41499      | -1.8                   | 1.001               | 2.07E+00            | 9.91E-01                 | 120                  | 6                        | 7                        |
| 34.48605      | -1.85                  | 1.001               | 2.07E+00            | 9.93E-01                 | 120                  | 6                        | 7                        |
| 34.55234      | -1.88                  | 1.002               | 2.07E+00            | 9.95E-01                 | 120                  | 6                        | 7                        |
| 34.61603      | -1.75                  | 1.002               | 2.08E+00            | 9.97E-01                 | 120                  | 6                        | 7                        |
| 34.68275      | -1.69                  | 1.001               | 2.08E+00            | 9.99E-01                 | 120                  | 6                        | 7                        |
| 34.74947      | -1.82                  | 1.001               | 2.09E+00            | 1.00E+00                 | 120                  | 6                        | 7                        |
| 34.82312      | -1.78                  | 1.001               | 2.09E+00            | 1.00E+00                 | 120                  | 6                        | 7                        |
| 34.88985      | -1.69                  | 1                   | 2.09E+00            | 1.01E+00                 | 120                  | 6                        | 7                        |
| 34.95744      | -1.77                  | 1.001               | 2.10E+00            | 1.01E+00                 | 120                  | 6                        | 7                        |
| 35.02589      | -1.73                  | 1.001               | 2.10E+00            | 1.01E+00                 | 120                  | 6                        | 7                        |
| 35.10865      | -1.8                   | 1.001               | 2.11E+00            | 1.01E+00                 | 120                  | 8                        | 7                        |
| 35.2031       | -1.87                  | 1.001               | 2.11E+00            | 1.01E+00                 | 120                  | 8                        | 7                        |
| 35.27762      | -1.71                  | 1.001               | 2.12E+00            | 1.02E+00                 | 120                  | 8                        | 7                        |
| 35.34391      | -1.49                  | 1.001               | 2.12E+00            | 1.02E+00                 | 120                  | 8                        | 7                        |
| 35.4102       | -1.96                  | 1.001               | 2.13E+00            | 1.02E+00                 | 120                  | 8                        | 7                        |
| 35.48862      | -2.14                  | 1.001               | 2.13E+00            | 1.02E+00                 | 120                  | 6                        | 7                        |
| 35.55534      | -1.76                  | 1.001               | 2.13E+00            | 1.02E+00                 | 120                  | 6                        | 7                        |
| 35.63116      | -1.9                   | 1.002               | 2.14E+00            | 1.03E+00                 | 120                  | 6                        | 7                        |
| 35.70049      | -1.95                  | 1.001               | 2.14E+00            | 1.03E+00                 | 120                  | 6                        | 7                        |
| 35.76894      | -2.01                  | 1.002               | 2.15E+00            | 1.03E+00                 | 120                  | 6                        | 7                        |
| 35.84606      | -2.1                   | 1.002               | 2.15E+00            | 1.03E+00                 | 120                  | 6                        | 7                        |
| 35.91365      | -1.79                  | 1.001               | 2.16E+00            | 1.03E+00                 | 120                  | 6                        | 7                        |
| 35.98254      | -1.84                  | 1.001               | 2.16E+00            | 1.04E+00                 | 120                  | 6                        | 7                        |
| 36.05099      | -1.87                  | 1.001               | 2.16E+00            | 1.04E+00                 | 120                  | 6                        | 7                        |
| 36.11858      | -1.72                  | 1.001               | 2.17E+00            | 1.04E+00                 | 120                  | 6                        | 7                        |
| 36.19484      | -1.45                  | 1                   | 2.17E+00            | 1.04E+00                 | 120                  | 6                        | 7                        |
| 36.2659       | -1.49                  | 1                   | 2.18E+00            | 1.04E+00                 | 120                  | 6                        | 7                        |
| 36.33565      | -1.66                  | 1                   | 2.18E+00            | 1.05E+00                 | 120                  | 6                        | 7                        |

| Depth<br>(ft) | Inclination Y<br>(deg) | Excitation<br>(Vdc) | Overburden<br>(tsf) | Eff. Overburden<br>(tsf) | Wet Density<br>(pcf) | Class. FR<br>(Rob. 1990) | Class. PP<br>(Rob. 1990) |
|---------------|------------------------|---------------------|---------------------|--------------------------|----------------------|--------------------------|--------------------------|
| 36.40411      | -1.3                   | 1                   | 2.18E+00            | 1.05E+00                 | 120                  | 6                        | 7                        |
| 36.47343      | -1.61                  | 1                   | 2.19E+00            | 1.05E+00                 | 120                  | 8                        | 7                        |
| 36.54838      | -1.69                  | 1                   | 2.19E+00            | 1.05E+00                 | 120                  | 8                        | 7                        |
| 36.61857      | -1.09                  | 0.999               | 2.20E+00            | 1.06E+00                 | 120                  | 8                        | 7                        |
| 36.68789      | -3.15                  | 1.002               | 2.20E+00            | 1.06E+00                 | 120                  | 8                        | 7                        |
| 36.75895      | -2.17                  | 1                   | 2.21E+00            | 1.06E+00                 | 120                  | 8                        | 7                        |
| 36.82697      | -3.52                  | 1.001               | 2.21E+00            | 1.06E+00                 | 120                  | 6                        | 7                        |
| 36.90019      | -3.96                  | 1.001               | 2.21E+00            | 1.06E+00                 | 120                  | 6                        | 7                        |
| 36.96735      | -2.35                  | 1.001               | 2.22E+00            | 1.07E+00                 | 120                  | 6                        | 7                        |
| 37.0358       | -2.17                  | 1.002               | 2.22E+00            | 1.07E+00                 | 120                  | 6                        | 7                        |
| 37.1008       | -2.1                   | 1.002               | 2.23E+00            | 1.07E+00                 | 120                  | 6                        | 7                        |
| 37.32349      | -1.48                  | 1.001               | 2.24E+00            | 1.08E+00                 | 120                  | 6                        | 7                        |
| 37.38762      | -2.06                  | 1.001               | 2.24E+00            | 1.08E+00                 | 120                  | 6                        | 7                        |
| 37.45044      | -1.3                   | 1.001               | 2.25E+00            | 1.08E+00                 | 120                  | 6                        | 7                        |
| 37.51109      | -2.12                  | 1.001               | 2.25E+00            | 1.08E+00                 | 120                  | 6                        | 7                        |
| 37.57782      | -2.04                  | 1.001               | 2.26E+00            | 1.08E+00                 | 120                  | 6                        | 7                        |
| 37.63631      | -1.9                   | 1                   | 2.26E+00            | 1.08E+00                 | 120                  | 6                        | 7                        |
| 37.69437      | -1.98                  | 1.001               | 2.26E+00            | 1.09E+00                 | 120                  | 6                        | 7                        |
| 37.75112      | -1.75                  | 0.999               | 2.27E+00            | 1.09E+00                 | 120                  | 6                        | 7                        |
| 37.81221      | -1.8                   | 1.001               | 2.27E+00            | 1.09E+00                 | 120                  | 6                        | 7                        |
| 37.86897      | -2.08                  | 1.001               | 2.27E+00            | 1.09E+00                 | 120                  | 6                        | 7                        |
| 37.92789      | -1.78                  | 1                   | 2.28E+00            | 1.09E+00                 | 120                  | 6                        | 7                        |
| 37.99028      | -1.97                  | 1                   | 2.28E+00            | 1.09E+00                 | 120                  | 6                        | 7                        |
| 38.05441      | -2                     | 1                   | 2.28E+00            | 1.10E+00                 | 120                  | 6                        | 7                        |
| 38.12416      | -1.54                  | 1.001               | 2.29E+00            | 1.10E+00                 | 120                  | 6                        | 7                        |
| 38.19695      | -1.44                  | 1.001               | 2.29E+00            | 1.10E+00                 | 120                  | 6                        | 7                        |
| 38.27104      | -2.09                  | 1.002               | 2.30E+00            | 1.10E+00                 | 120                  | 6                        | 7                        |
| 38.34339      | -1.64                  | 1.001               | 2.30E+00            | 1.10E+00                 | 120                  | 6                        | 7                        |
| 38.41445      | -2.01                  | 1.001               | 2.31E+00            | 1.11E+00                 | 120                  | 6                        | 7                        |
| 38.48984      | -1.98                  | 1                   | 2.31E+00            | 1.11E+00                 | 120                  | 6                        | 7                        |
| 38.56219      | -2                     | 1.002               | 2.31E+00            | 1.11E+00                 | 120                  | 6                        | 7                        |
| 38.62848      | -2                     | 1                   | 2.32E+00            | 1.11E+00                 | 120                  | 6                        | 7                        |
| 38.69174      | -2.05                  | 1                   | 2.32E+00            | 1.11E+00                 | 120                  | 6                        | 7                        |
| 38.74936      | -1.23                  | 1                   | 2.33E+00            | 1.12E+00                 | 120                  | 6                        | 7                        |
| 38.80655      | -1.88                  | 1                   | 2.33E+00            | 1.12E+00                 | 120                  | 6                        | 7                        |
| 38.85855      | -1.8                   | 1                   | 2.33E+00            | 1.12E+00                 | 120                  | 6                        | 7                        |
| 38.9101       | -1.76                  | 1                   | 2.34E+00            | 1.12E+00                 | 120                  | 6                        | 7                        |
| 38.96296      | -1.88                  | 1.001               | 2.34E+00            | 1.12E+00                 | 120                  | 6                        | 7                        |
| 39.01712      | -1.91                  | 1.002               | 2.34E+00            | 1.12E+00                 | 120                  | 6                        | 7                        |
| 39.07864      | -1.83                  | 1.001               | 2.35E+00            | 1.13E+00                 | 120                  | 6                        | 7                        |
| 39.14363      | -1.8                   | 1.001               | 2.35E+00            | 1.13E+00                 | 120                  | 6                        | 7                        |
| 39.20992      | -1.52                  | 1                   | 2.35E+00            | 1.13E+00                 | 120                  | 6                        | 7                        |
| 39.27491      | -1.51                  | 1                   | 2.36E+00            | 1.13E+00                 | 120                  | 6                        | 7                        |
| 39.3412       | -1.66                  | 1.001               | 2.36E+00            | 1.13E+00                 | 120                  | 6                        | 7                        |
| 39.40966      | -1.56                  | 1                   | 2.37E+00            | 1.14E+00                 | 120                  | 6                        | 7                        |

| Depth<br>(ft) | Inclination Y<br>(deg) | Excitation<br>(Vdc) | Overburden<br>(tsf) | Eff. Overburden<br>(tsf) | Wet Density<br>(pcf) | Class. FR<br>(Rob. 1990) | Class. PP<br>(Rob. 1990) |
|---------------|------------------------|---------------------|---------------------|--------------------------|----------------------|--------------------------|--------------------------|
| 39.48288      | -1.7                   | 1.001               | 2.37E+00            | 1.14E+00                 | 120                  | 6                        | 7                        |
| 39.55046      | -1.77                  | 1.001               | 2.37E+00            | 1.14E+00                 | 120                  | 6                        | 7                        |
| 39.61719      | -1.65                  | 1                   | 2.38E+00            | 1.14E+00                 | 120                  | 6                        | 7                        |
| 39.68348      | -1.75                  | 1.001               | 2.38E+00            | 1.14E+00                 | 120                  | 6                        | 7                        |
| 39.75367      | -1.6                   | 1                   | 2.39E+00            | 1.15E+00                 | 120                  | 6                        | 7                        |
| 39.81779      | -1.56                  | 1.001               | 2.39E+00            | 1.15E+00                 | 120                  | 6                        | 7                        |
| 39.87845      | -1.6                   | 1.001               | 2.39E+00            | 1.15E+00                 | 120                  | 6                        | 7                        |
| 39.93563      | -1.6                   | 1.001               | 2.40E+00            | 1.15E+00                 | 120                  | 6                        | 7                        |
| 39.9911       | -1.52                  | 1.001               | 2.40E+00            | 1.15E+00                 | 120                  | 6                        | 7                        |
| 40.05089      | -1.64                  | 1.001               | 2.40E+00            | 1.15E+00                 | 120                  | 6                        | 7                        |
| 40.10634      | -1.57                  | 1                   | 2.41E+00            | 1.16E+00                 | 120                  | 6                        | 7                        |
| 40.16137      | -1.62                  | 1.001               | 2.41E+00            | 1.16E+00                 | 120                  | 6                        | 7                        |
| 40.21683      | -1.52                  | 1                   | 2.41E+00            | 1.16E+00                 | 120                  | 6                        | 7                        |
| 40.27185      | -1.56                  | 1.001               | 2.42E+00            | 1.16E+00                 | 120                  | 6                        | 7                        |
| 40.33164      | -1.58                  | 1                   | 2.42E+00            | 1.16E+00                 | 120                  | 6                        | 7                        |
| 40.5682       | -1.78                  | 1.001               | 2.43E+00            | 1.17E+00                 | 120                  | 6                        | 7                        |
| 40.63493      | -1.74                  | 1.001               | 2.44E+00            | 1.17E+00                 | 120                  | 6                        | 7                        |
| 40.70468      | -1.6                   | 1.001               | 2.44E+00            | 1.17E+00                 | 120                  | 6                        | 7                        |
| 40.7727       | -1.63                  | 1.001               | 2.45E+00            | 1.17E+00                 | 120                  | 6                        | 7                        |
| 40.84072      | -1.49                  | 1.001               | 2.45E+00            | 1.18E+00                 | 120                  | 6                        | 7                        |
| 40.91741      | -1.71                  | 1.001               | 2.46E+00            | 1.18E+00                 | 120                  | 6                        | 7                        |
| 40.98803      | -1.89                  | 1.001               | 2.46E+00            | 1.18E+00                 | 120                  | 6                        | 7                        |
| 41.05692      | -1.78                  | 1                   | 2.46E+00            | 1.18E+00                 | 120                  | 6                        | 7                        |
| 41.12408      | -1.4                   | 1                   | 2.47E+00            | 1.18E+00                 | 120                  | 6                        | 7                        |
| 41.1908       | -1.68                  | 1                   | 2.47E+00            | 1.19E+00                 | 120                  | 6                        | 7                        |
| 41.26143      | -1.53                  | 1                   | 2.48E+00            | 1.19E+00                 | 120                  | 6                        | 7                        |
| 41.32598      | -1.64                  | 1                   | 2.48E+00            | 1.19E+00                 | 120                  | 6                        | 7                        |
| 41.39184      | -1.55                  | 1                   | 2.48E+00            | 1.19E+00                 | 120                  | 6                        | 7                        |
| 41.45552      | -1.65                  | 1                   | 2.49E+00            | 1.19E+00                 | 120                  | 6                        | 7                        |
| 41.52052      | -1.69                  | 1.001               | 2.49E+00            | 1.20E+00                 | 120                  | 6                        | 7                        |
| 41.58984      | -1.74                  | 1.001               | 2.50E+00            | 1.20E+00                 | 120                  | 6                        | 7                        |
| 41.65223      | -1.72                  | 1                   | 2.50E+00            | 1.20E+00                 | 120                  | 6                        | 7                        |
| 41.71332      | -1.55                  | 1                   | 2.50E+00            | 1.20E+00                 | 120                  | 6                        | 7                        |
| 41.77181      | -1.52                  | 0.999               | 2.51E+00            | 1.20E+00                 | 120                  | 6                        | 7                        |
| 41.8277       | -1.65                  | 1                   | 2.51E+00            | 1.21E+00                 | 120                  | 6                        | 7                        |
| 41.88836      | -1.66                  | 1.001               | 2.51E+00            | 1.21E+00                 | 120                  | 6                        | 7                        |
| 41.94295      | -1.79                  | 1                   | 2.52E+00            | 1.21E+00                 | 120                  | 6                        | 7                        |
| 41.99624      | -1.6                   | 1                   | 2.52E+00            | 1.21E+00                 | 120                  | 6                        | 7                        |
| 42.0491       | -1.69                  | 1                   | 2.52E+00            | 1.21E+00                 | 120                  | 6                        | 7                        |
| 42.10239      | -1.67                  | 0.999               | 2.53E+00            | 1.21E+00                 | 120                  | 6                        | 7                        |
| 42.15958      | -1.59                  | 0.999               | 2.53E+00            | 1.21E+00                 | 120                  | 6                        | 7                        |
| 42.21417      | -1.59                  | 1                   | 2.53E+00            | 1.22E+00                 | 120                  | 6                        | 7                        |
| 42.26876      | -1.49                  | 0.999               | 2.54E+00            | 1.22E+00                 | 120                  | 6                        | 7                        |
| 42.32639      | -1.48                  | 0.999               | 2.54E+00            | 1.22E+00                 | 120                  | 6                        | 7                        |
| 42.38531      | -1.57                  | 1                   | 2.54E+00            | 1.22E+00                 | 120                  | 6                        | 7                        |

| Depth<br>(ft) | Inclination Y<br>(deg) | Excitation<br>(Vdc) | Overburden<br>(tsf) | Eff. Overburden<br>(tsf) | Wet Density<br>(pcf) | Class. FR<br>(Rob. 1990) | Class. PP<br>(Rob. 1990) |
|---------------|------------------------|---------------------|---------------------|--------------------------|----------------------|--------------------------|--------------------------|
| 42.45333      | -1.53                  | 1                   | 2.55E+00            | 1.22E+00                 | 120                  | 6                        | 7                        |
| 42.51572      | -1.72                  | 1                   | 2.55E+00            | 1.22E+00                 | 120                  | 6                        | 7                        |
| 42.58115      | -1.67                  | 1.001               | 2.56E+00            | 1.23E+00                 | 120                  | 6                        | 7                        |
| 42.6457       | -1.53                  | 1                   | 2.56E+00            | 1.23E+00                 | 120                  | 6                        | 7                        |
| 42.71199      | -1.64                  | 1                   | 2.56E+00            | 1.23E+00                 | 120                  | 6                        | 7                        |
| 42.78521      | -1.65                  | 1.001               | 2.57E+00            | 1.23E+00                 | 120                  | 6                        | 7                        |
| 42.85367      | -1.58                  | 1                   | 2.57E+00            | 1.23E+00                 | 120                  | 6                        | 7                        |
| 42.92472      | -1.54                  | 1                   | 2.58E+00            | 1.24E+00                 | 120                  | 6                        | 7                        |
| 42.98841      | -1.65                  | 1                   | 2.58E+00            | 1.24E+00                 | 120                  | 6                        | 7                        |
| 43.08893      | -1.61                  | 1                   | 2.59E+00            | 1.24E+00                 | 120                  | 6                        | 7                        |
| 43.15348      | -1.63                  | 1                   | 2.59E+00            | 1.24E+00                 | 120                  | 6                        | 7                        |
| 43.21674      | -1.72                  | 1                   | 2.59E+00            | 1.25E+00                 | 120                  | 6                        | 7                        |
| 43.27783      | -1.58                  | 1                   | 2.60E+00            | 1.25E+00                 | 120                  | 6                        | 7                        |
| 43.34023      | -1.6                   | 1                   | 2.60E+00            | 1.25E+00                 | 120                  | 6                        | 7                        |
| 43.40305      | -1.67                  | 1                   | 2.60E+00            | 1.25E+00                 | 120                  | 6                        | 7                        |
| 43.46067      | -1.62                  | 1                   | 2.61E+00            | 1.25E+00                 | 120                  | 6                        | 7                        |
| 43.5196       | -1.6                   | 1                   | 2.61E+00            | 1.25E+00                 | 120                  | 6                        | 7                        |
| 43.73276      | -1.55                  | 1                   | 2.62E+00            | 1.26E+00                 | 120                  | 6                        | 7                        |
| 43.79082      | -1.55                  | 1                   | 2.63E+00            | 1.26E+00                 | 120                  | 6                        | 7                        |
| 43.84671      | -1.58                  | 1                   | 2.63E+00            | 1.26E+00                 | 120                  | 6                        | 7                        |
| 43.90347      | -1.8                   | 1.001               | 2.63E+00            | 1.26E+00                 | 120                  | 6                        | 7                        |
| 43.95546      | -1.63                  | 1                   | 2.64E+00            | 1.27E+00                 | 120                  | 6                        | 7                        |
| 44.00702      | -1.54                  | 1                   | 2.64E+00            | 1.27E+00                 | 120                  | 6                        | 7                        |
| 44.06031      | -1.59                  | 1                   | 2.64E+00            | 1.27E+00                 | 120                  | 6                        | 7                        |
| 44.11187      | -1.63                  | 1                   | 2.65E+00            | 1.27E+00                 | 120                  | 6                        | 7                        |
| 44.16949      | -1.67                  | 1                   | 2.65E+00            | 1.27E+00                 | 120                  | 6                        | 7                        |
| 44.22365      | -1.56                  | 0.999               | 2.65E+00            | 1.27E+00                 | 120                  | 6                        | 7                        |
| 44.27607      | -1.62                  | 1                   | 2.66E+00            | 1.28E+00                 | 120                  | 6                        | 7                        |
| 44.32936      | -1.7                   | 1.001               | 2.66E+00            | 1.28E+00                 | 120                  | 6                        | 7                        |
| 44.38352      | -1.69                  | 1                   | 2.66E+00            | 1.28E+00                 | 120                  | 6                        | 7                        |
| 44.44591      | -1.66                  | 1                   | 2.67E+00            | 1.28E+00                 | 120                  | 6                        | 7                        |
| 44.49834      | -1.58                  | 0.999               | 2.67E+00            | 1.28E+00                 | 120                  | 6                        | 7                        |
| 44.55206      | -1.52                  | 1.001               | 2.67E+00            | 1.28E+00                 | 120                  | 6                        | 7                        |
| 44.60709      | -1.66                  | 1                   | 2.68E+00            | 1.29E+00                 | 120                  | 6                        | 7                        |
| 44.66731      | -1.65                  | 1.001               | 2.68E+00            | 1.29E+00                 | 120                  | 6                        | 7                        |
| 44.73577      | -1.72                  | 1                   | 2.68E+00            | 1.29E+00                 | 120                  | 6                        | 7                        |
| 44.79772      | -1.59                  | 1                   | 2.69E+00            | 1.29E+00                 | 120                  | 6                        | 7                        |
| 44.86098      | -1.63                  | 1                   | 2.69E+00            | 1.29E+00                 | 120                  | 6                        | 7                        |
| 44.9303       | -1.72                  | 1                   | 2.70E+00            | 1.29E+00                 | 120                  | 6                        | 7                        |
| 45.01479      | -1.64                  | 1                   | 2.70E+00            | 1.30E+00                 | 120                  | 6                        | 7                        |
| 45.10577      | -1.85                  | 1                   | 2.71E+00            | 1.30E+00                 | 120                  | 6                        | 7                        |
| 45.20976      | -1.68                  | 1                   | 2.71E+00            | 1.30E+00                 | 120                  | 6                        | 7                        |
| 45.33107      | -1.6                   | 1                   | 2.72E+00            | 1.31E+00                 | 120                  | 6                        | 7                        |
| 45.41556      | -1.66                  | 1                   | 2.73E+00            | 1.31E+00                 | 120                  | 6                        | 7                        |
| 45.51304      | -1.71                  | 0.999               | 2.73E+00            | 1.31E+00                 | 120                  | 6                        | 7                        |

| Depth<br>(ft) | Inclination Y<br>(deg) | Excitation<br>(Vdc) | Overburden<br>(tsf) | Eff. Overburden<br>(tsf) | Wet Density<br>(pcf) | Class. FR<br>(Rob. 1990) | Class. PP<br>(Rob. 1990) |
|---------------|------------------------|---------------------|---------------------|--------------------------|----------------------|--------------------------|--------------------------|
| 45.59926      | -1.69                  | 0.999               | 2.74E+00            | 1.31E+00                 | 120                  | 6                        | 7                        |
| 45.68375      | -1.56                  | 1                   | 2.74E+00            | 1.32E+00                 | 120                  | 6                        | 7                        |
| 45.76303      | -1.58                  | 1                   | 2.75E+00            | 1.32E+00                 | 120                  | 6                        | 7                        |
| 45.84449      | -1.67                  | 1                   | 2.75E+00            | 1.32E+00                 | 120                  | 6                        | 7                        |
| 45.92291      | -1.51                  | 1                   | 2.76E+00            | 1.32E+00                 | 120                  | 6                        | 7                        |
| 45.99266      | -1.6                   | 0.999               | 2.76E+00            | 1.33E+00                 | 120                  | 6                        | 7                        |
| 46.05765      | -1.65                  | 1.001               | 2.76E+00            | 1.33E+00                 | 120                  | 6                        | 7                        |
| 46.12004      | -1.62                  | 1                   | 2.77E+00            | 1.33E+00                 | 120                  | 6                        | 7                        |
| 46.18027      | -1.6                   | 1                   | 2.77E+00            | 1.33E+00                 | 120                  | 6                        | 7                        |
| 46.24482      | -1.69                  | 1                   | 2.78E+00            | 1.33E+00                 | 120                  | 6                        | 7                        |
| 46.30461      | -1.52                  | 0.999               | 2.78E+00            | 1.33E+00                 | 120                  | 6                        | 7                        |
| 46.367        | -1.65                  | 1                   | 2.78E+00            | 1.34E+00                 | 120                  | 6                        | 7                        |
| 46.42593      | -1.57                  | 1                   | 2.79E+00            | 1.34E+00                 | 120                  | 6                        | 7                        |
| 46.48485      | -1.69                  | 1                   | 2.79E+00            | 1.34E+00                 | 120                  | 6                        | 7                        |
| 46.54551      | -1.54                  | 1                   | 2.79E+00            | 1.34E+00                 | 120                  | 6                        | 7                        |
| 46.60443      | -1.56                  | 0.999               | 2.80E+00            | 1.34E+00                 | 120                  | 6                        | 7                        |
| 46.66466      | -1.61                  | 1                   | 2.80E+00            | 1.34E+00                 | 120                  | 6                        | 7                        |
| 46.72661      | -1.66                  | 0.999               | 2.80E+00            | 1.35E+00                 | 120                  | 6                        | 7                        |
| 46.9857       | -1.58                  | 0.999               | 2.82E+00            | 1.35E+00                 | 120                  | 6                        | 7                        |
| 47.06369      | -1.52                  | 0.999               | 2.82E+00            | 1.36E+00                 | 120                  | 6                        | 7                        |
| 47.14385      | -1.6                   | 0.999               | 2.83E+00            | 1.36E+00                 | 120                  | 6                        | 7                        |
| 47.25692      | -1.79                  | 1                   | 2.84E+00            | 1.36E+00                 | 120                  | 6                        | 7                        |
| 47.33535      | -1.77                  | 1                   | 2.84E+00            | 1.36E+00                 | 120                  | 6                        | 7                        |
| 47.41637      | -1.57                  | 0.999               | 2.85E+00            | 1.37E+00                 | 120                  | 6                        | 7                        |
| 47.49522      | -1.57                  | 1                   | 2.85E+00            | 1.37E+00                 | 120                  | -99                      | 7                        |
| 47.57148      | -1.45                  | 0.999               | 2.85E+00            | 1.37E+00                 | 120                  | -99                      | 7                        |
| 47.64686      | -1.68                  | 1                   | 2.86E+00            | 1.37E+00                 | 120                  | -99                      | 7                        |
| 47.71099      | -1.64                  | 1.001               | 2.86E+00            | 1.37E+00                 | 120                  | -99                      | 7                        |
| 47.76168      | -1.59                  | 1                   | 2.87E+00            | 1.38E+00                 | 120                  | -99                      | 7                        |
| 47.80024      | -1.62                  | 1                   | 2.87E+00            | 1.38E+00                 | 120                  | -99                      | 7                        |
| 47.80024      | -1.62                  | 1                   | 2.87E+00            | 1.38E+00                 | 120                  | -99                      | 7                        |

| Depth<br>(ft) | SBT FR<br>(Rob. 1986) | SBT PP<br>(Rob. 1986) |
|---------------|-----------------------|-----------------------|
| 0             | -100                  | -100                  |
| 0.20147       | 7                     | 7                     |
| 0.27989       | 7                     | 7                     |
| 0.35831       | 7                     | 8                     |
| 0.43586       | 8                     | 8                     |
| 0.50432       | 9                     | 9                     |
| 0.57277       | 9                     | 9                     |
| 0.64253       | 9                     | 9                     |
| 0.71272       | 9                     | 9                     |
| 0.79027       | 9                     | 9                     |
| 0.86003       | 9                     | 9                     |
| 0.93065       | 9                     | 9                     |
| 0.99954       | 9                     | 9                     |
| 1.06973       | 9                     | 9                     |
| 1.14728       | 9                     | 9                     |
| 1.2179        | 9                     | 9                     |
| 1.28809       | 9                     | 9                     |
| 1.35655       | 9                     | 9                     |
| 1.4328        | 9                     | 9                     |
| 1.50472       | 8                     | 9                     |
| 1.57491       | 8                     | 9                     |
| 1.63254       | 8                     | 9                     |
| 1.6893        | 8                     | 9                     |
| 1.74735       | 9                     | 9                     |
| 1.80844       | 9                     | 9                     |
| 1.88166       | 9                     | 9                     |
| 1.94535       | 9                     | 9                     |
| 2.00904       | 9                     | 9                     |
| 2.07187       | 9                     | 9                     |
| 2.13512       | 9                     | 9                     |
| 2.20574       | 9                     | 9                     |

| Depth<br>(ft) | SBT FR<br>(Rob. 1986) | SBT PP<br>(Rob. 1986) |
|---------------|-----------------------|-----------------------|
| 2.2703        | 9                     | 9                     |
| 2.33399       | 9                     | 9                     |
| 2.39855       | 9                     | 9                     |
| 2.46224       | 9                     | 9                     |
| 2.53546       | 9                     | 9                     |
| 2.59915       | 9                     | 9                     |
| 2.66457       | 9                     | 9                     |
| 2.72869       | 9                     | 9                     |
| 2.79412       | 9                     | 9                     |
| 2.86431       | 8                     | 9                     |
| 2.92843       | 8                     | 9                     |
| 2.99125       | 8                     | 8                     |
| 3.05624       | 8                     | 8                     |
| 3.12036       | 7                     | 8                     |
| 3.19229       | 7                     | 8                     |
| 3.25641       | 6                     | 8                     |
| 3.3214        | 5                     | 7                     |
| 3.38552       | 5                     | 7                     |
| 3.44921       | 6                     | 8                     |
| 3.5207        | 6                     | 8                     |
| 3.58569       | 6                     | 8                     |
| 3.65068       | 6                     | 8                     |
| 3.7161        | 6                     | 8                     |
| 3.78153       | 5                     | 7                     |
| 3.85258       | 5                     | 7                     |
| 3.91757       | 4                     | 7                     |
| 3.98342       | 3                     | 6                     |
| 4.04755       | 3                     | 6                     |
| 4.1134        | 3                     | 6                     |
| 4.18359       | 4                     | 6                     |
| 4.24858       | 4                     | 6                     |
| 4.31444       | 4                     | 6                     |
| 4.37943       | 4                     | 6                     |
| 4.44442       | 4                     | 6                     |
| 4.51504       | 4                     | 6                     |
| 4.5796        | 4                     | 6                     |
| 4.64372       | 3                     | 6                     |
| 4.70568       | 3                     | 6                     |
| 4.7893        | 4                     | 6                     |
| 5.04276       | 5                     | 6                     |
| 5.10991       | 5                     | 6                     |
| 5.1827        | 5                     | 6                     |
| 5.24899       | 5                     | 6                     |
| 5.31614       | 5                     | 6                     |
| 5.382         | 5                     | 6                     |

| Depth<br>(ft) | SBT FR<br>(Rob. 1986) | SBT PP<br>(Rob. 1986) |
|---------------|-----------------------|-----------------------|
| 5.45002       | 5                     | 6                     |
| 5.52498       | 5                     | 5                     |
| 5.5917        | 5                     | 5                     |
| 5.66102       | 4                     | 5                     |
| 5.72731       | 3                     | 4                     |
| 5.79447       | 3                     | 4                     |
| 5.86986       | 4                     | 4                     |
| 5.93788       | 3                     | 3                     |
| 6.0059        | 3                     | 3                     |
| 6.07219       | 3                     | -99                   |
| 6.13978       | 3                     | 3                     |
| 6.21213       | 3                     | 3                     |
| 6.28015       | 3                     | -99                   |
| 6.34904       | 3                     | -99                   |
| 6.41707       | 3                     | 3                     |
| 6.48422       | 3                     | -99                   |
| 6.55831       | 3                     | -99                   |
| 6.62633       | 3                     | 4                     |
| 6.69262       | 4                     | 5                     |
| 6.76238       | 5                     | 6                     |
| 6.8304        | 3                     | 5                     |
| 6.91099       | 3                     | -99                   |
| 6.98897       | 3                     | -99                   |
| 7.05613       | 3                     | -99                   |
| 7.12545       | 3                     | -99                   |
| 7.19304       | 3                     | -99                   |
| 7.27103       | 3                     | -99                   |
| 7.33862       | 3                     | -99                   |
| 7.40577       | 3                     | -99                   |
| 7.47293       | 3                     | -99                   |
| 7.54138       | 3                     | -99                   |
| 7.61374       | 3                     | -99                   |
| 7.68306       | 3                     | -99                   |
| 7.75065       | 3                     | -99                   |
| 7.82647       | 3                     | -99                   |
| 7.90316       | 3                     | -99                   |
| 7.97248       | 3                     | -99                   |
| 8.04094       | 3                     | -99                   |
| 8.30046       | 1                     | -99                   |
| 8.36545       | 3                     | -99                   |
| 8.44041       | 1                     | -99                   |
| 8.508         | 1                     | -99                   |
| 8.57558       | 1                     | -99                   |
| 8.64274       | 3                     | -99                   |
| 8.71293       | 1                     | -99                   |

| Depth<br>(ft) | SBT FR<br>(Rob. 1986) | SBT PP<br>(Rob. 1986) |
|---------------|-----------------------|-----------------------|
| 8.78702       | 3                     | -99                   |
| 8.85504       | 3                     | -99                   |
| 8.92263       | 3                     | -99                   |
| 8.99282       | 3                     | -99                   |
| 9.06084       | 3                     | -99                   |
| 9.13579       | 3                     | -99                   |
| 9.20425       | 5                     | 4                     |
| 9.27357       | 6                     | 6                     |
| 9.34073       | 7                     | 7                     |
| 9.40962       | 7                     | 7                     |
| 9.485         | 7                     | 7                     |
| 9.55476       | 7                     | 7                     |
| 9.62451       | 6                     | 6                     |
| 9.69427       | 5                     | 5                     |
| 9.76316       | 4                     | 5                     |
| 9.83855       | 3                     | -99                   |
| 9.90744       | 3                     | -99                   |
| 9.97762       | 3                     | -99                   |
| 10.06384      | 3                     | -99                   |
| 10.1492       | 3                     | -99                   |
| 10.22242      | 1                     | -99                   |
| 10.29131      | 1                     | -99                   |
| 10.36193      | 3                     | -99                   |
| 10.43082      | 3                     | 3                     |
| 10.50101      | 3                     | 3                     |
| 10.57726      | 3                     | 3                     |
| 10.64528      | 3                     | 3                     |
| 10.71417      | 1                     | 3                     |
| 10.78436      | 1                     | 3                     |
| 10.85368      | 1                     | 3                     |
| 10.94207      | 1                     | 3                     |
| 11.01096      | 1                     | 3                     |
| 11.08028      | 3                     | 3                     |
| 11.14917      | 3                     | 3                     |
| 11.22716      | 1                     | 3                     |
| 11.29778      | 1                     | 3                     |
| 11.48625      | 1                     | 3                     |
| 11.55557      | 1                     | 3                     |
| 11.62706      | 1                     | 3                     |
| 11.70591      | 1                     | 3                     |
| 11.7761       | 3                     | 3                     |
| 11.84672      | 3                     | 3                     |
| 11.91735      | 3                     | 3                     |
| 11.9897       | 1                     | 3                     |
| 12.06726      | 1                     | 4                     |

| Depth<br>(ft) | SBT FR<br>(Rob. 1986) | SBT PP<br>(Rob. 1986) |
|---------------|-----------------------|-----------------------|
| 12.13831      | 1                     | 4                     |
| 12.2098       | 1                     | 4                     |
| 12.28172      | 1                     | 4                     |
| 12.35278      | 1                     | 4                     |
| 12.43163      | 1                     | 4                     |
| 12.50398      | 1                     | 4                     |
| 12.57547      | 1                     | 4                     |
| 12.64696      | 1                     | 4                     |
| 12.71802      | 1                     | 3                     |
| 12.79687      | 1                     | 3                     |
| 12.86923      | 1                     | 3                     |
| 12.94375      | 1                     | 3                     |
| 13.02867      | 1                     | 3                     |
| 13.10925      | 1                     | 3                     |
| 13.18724      | 1                     | 4                     |
| 13.26003      | 1                     | 5                     |
| 13.33109      | 6                     | 5                     |
| 13.40257      | 6                     | 6                     |
| 13.47493      | 6                     | 6                     |
| 13.55378      | 6                     | 6                     |
| 13.62614      | 7                     | 6                     |
| 13.70759      | 7                     | 6                     |
| 13.77908      | 7                     | 7                     |
| 13.85187      | 7                     | 7                     |
| 13.93332      | 7                     | 7                     |
| 14.00524      | 8                     | 8                     |
| 14.07717      | 8                     | 8                     |
| 14.15039      | 8                     | 8                     |
| 14.22274      | 8                     | 8                     |
| 14.29986      | 8                     | 8                     |
| 14.37135      | 9                     | 9                     |
| 14.44501      | 9                     | 9                     |
| 14.5178       | 9                     | 9                     |
| 14.74266      | 9                     | 9                     |
| 14.81674      | 9                     | 9                     |
| 14.89083      | 9                     | 9                     |
| 14.97142      | 9                     | 9                     |
| 15.04594      | 9                     | 9                     |
| 15.12003      | 9                     | 9                     |
| 15.19672      | 9                     | 9                     |
| 15.27254      | 9                     | 9                     |
| 15.35573      | 9                     | 9                     |
| 15.43328      | 9                     | 9                     |
| 15.50867      | 9                     | 9                     |
| 15.58622      | 9                     | 9                     |

| Depth<br>(ft) | SBT FR<br>(Rob. 1986) | SBT PP<br>(Rob. 1986) |
|---------------|-----------------------|-----------------------|
| 15.66291      | 9                     | 9                     |
| 15.74653      | 9                     | 9                     |
| 15.82365      | 9                     | 9                     |
| 15.89947      | 9                     | 9                     |
| 15.97572      | 9                     | 9                     |
| 16.05371      | 9                     | 9                     |
| 16.1499       | 9                     | 9                     |
| 16.26515      | 9                     | 9                     |
| 16.3427       | 9                     | 9                     |
| 16.42155      | 9                     | 9                     |
| 16.50474      | 9                     | 9                     |
| 16.58273      | 8                     | 9                     |
| 16.65941      | 8                     | 8                     |
| 16.73784      | 8                     | 8                     |
| 16.81452      | 8                     | 8                     |
| 16.91418      | 7                     | 8                     |
| 16.9913       | 6                     | 7                     |
| 17.06842      | 6                     | 7                     |
| 17.1438       | 6                     | 7                     |
| 17.22049      | 6                     | 7                     |
| 17.30281      | 7                     | 7                     |
| 17.38037      | 8                     | 8                     |
| 17.45749      | 8                     | 8                     |
| 17.53244      | 8                     | 8                     |
| 17.60826      | 8                     | 8                     |
| 17.69405      | 8                     | 8                     |
| 17.77204      | 8                     | 8                     |
| 17.97524      | 9                     | 9                     |
| 18.05799      | 9                     | 9                     |
| 18.13641      | 9                     | 9                     |
| 18.21397      | 9                     | 9                     |
| 18.29282      | 9                     | 9                     |
| 18.37081      | 9                     | 9                     |
| 18.46006      | 9                     | 9                     |
| 18.53718      | 9                     | 9                     |
| 18.61604      | 9                     | 9                     |
| 18.69619      | 9                     | 9                     |
| 18.78068      | 8                     | 9                     |
| 18.8643       | 8                     | 8                     |
| 18.94445      | 8                     | 8                     |
| 19.0233       | 7                     | 8                     |
| 19.10259      | 7                     | 8                     |
| 19.18058      | 7                     | 8                     |
| 19.26723      | 7                     | 8                     |
| 19.34652      | 6                     | 7                     |

| Depth<br>(ft) | SBT FR<br>(Rob. 1986) | SBT PP<br>(Rob. 1986) |
|---------------|-----------------------|-----------------------|
| 19.42667      | 5                     | 7                     |
| 19.52459      | 4                     | 6                     |
| 19.63724      | 3                     | 6                     |
| 19.71523      | 4                     | 6                     |
| 19.79581      | 6                     | 7                     |
| 19.87467      | 8                     | 8                     |
| 19.95352      | 8                     | 8                     |
| 20.03844      | 9                     | 9                     |
| 20.12769      | 9                     | 9                     |
| 20.20741      | 9                     | 9                     |
| 20.288        | 9                     | 9                     |
| 20.36685      | 9                     | 9                     |
| 20.45697      | 9                     | 9                     |
| 20.53713      | 9                     | 9                     |
| 20.61815      | 9                     | 9                     |
| 20.70567      | 9                     | 9                     |
| 20.78582      | 9                     | 9                     |
| 20.87724      | 9                     | 9                     |
| 20.95913      | 8                     | 9                     |
| 21.03928      | 8                     | 8                     |
| 21.11727      | 7                     | 8                     |
| 21.19309      | 7                     | 8                     |
| 21.27151      | 6                     | 7                     |
| 21.35079      | 5                     | 6                     |
| 21.43875      | 4                     | 6                     |
| 21.51803      | 3                     | 6                     |
| 21.59732      | 4                     | 6                     |
| 21.67791      | 4                     | 5                     |
| 21.75806      | 5                     | 5                     |
| 21.84428      | 5                     | 5                     |
| 21.92487      | 5                     | 5                     |
| 22.00502      | 5                     | 4                     |
| 22.08561      | 5                     | 4                     |
| 22.1662       | 5                     | 4                     |
| 22.25372      | 5                     | 4                     |
| 22.33344      | 5                     | 4                     |
| 22.41359      | 1                     | 3                     |
| 22.49375      | 4                     | 3                     |
| 22.57563      | 4                     | 3                     |
| 22.66445      | 4                     | 3                     |
| 22.74504      | 5                     | 3                     |
| 22.82433      | 4                     | 3                     |
| 22.89581      | 4                     | 4                     |
| 22.96167      | 5                     | 4                     |
| 23.03749      | 5                     | 4                     |

| Depth<br>(ft) | SBT FR<br>(Rob. 1986) | SBT PP<br>(Rob. 1986) |
|---------------|-----------------------|-----------------------|
| 23.10465      | 6                     | 5                     |
| 23.18133      | 6                     | 5                     |
| 23.24849      | 6                     | 5                     |
| 23.32691      | 6                     | 5                     |
| 23.3945       | 5                     | 5                     |
| 23.46252      | 5                     | 5                     |
| 23.52968      | 5                     | 5                     |
| 23.60333      | 6                     | 5                     |
| 23.67569      | 8                     | 7                     |
| 23.74284      | 9                     | 8                     |
| 23.80913      | 9                     | 9                     |
| 23.87629      | 9                     | 9                     |
| 23.94431      | 9                     | 9                     |
| 24.01797      | 10                    | 9                     |
| 24.08512      | 10                    | 9                     |
| 24.15401      | 10                    | 10                    |
| 24.2242       | 10                    | 10                    |
| 24.50669      | 10                    | 10                    |
| 24.57471      | 10                    | 10                    |
| 24.641        | 10                    | 10                    |
| 24.70772      | 10                    | 10                    |
| 24.77661      | 10                    | 10                    |
| 24.85373      | 10                    | 10                    |
| 24.92219      | 10                    | 10                    |
| 24.99281      | 10                    | 10                    |
| 25.06213      | 10                    | 10                    |
| 25.13232      | 10                    | 10                    |
| 25.20771      | 10                    | 10                    |
| 25.27746      | 10                    | 10                    |
| 25.34809      | 10                    | 10                    |
| 25.41828      | 10                    | 10                    |
| 25.4876       | 10                    | 10                    |
| 25.56385      | 10                    | 10                    |
| 25.63274      | 10                    | 10                    |
| 25.70293      | 10                    | 10                    |
| 25.77312      | 10                    | 10                    |
| 25.8446       | 10                    | 10                    |
| 25.92216      | 10                    | 10                    |
| 25.99278      | 10                    | 10                    |
| 26.06427      | 10                    | 10                    |
| 26.13489      | 10                    | 10                    |
| 26.20205      | 10                    | 10                    |
| 26.2991       | 10                    | 10                    |
| 26.37189      | 10                    | 10                    |
| 26.44467      | 10                    | 10                    |

| Depth<br>(ft) | SBT FR<br>(Rob. 1986) | SBT PP<br>(Rob. 1986) |
|---------------|-----------------------|-----------------------|
| 26.51616      | 10                    | 10                    |
| 26.58852      | 10                    | 10                    |
| 26.67604      | 10                    | 10                    |
| 26.74796      | 10                    | 10                    |
| 26.81988      | 10                    | 9                     |
| 26.89137      | 10                    | 9                     |
| 26.97282      | 9                     | 9                     |
| 27.04734      | 9                     | 9                     |
| 27.11883      | 9                     | 9                     |
| 27.19076      | 9                     | 9                     |
| 27.26094      | 9                     | 9                     |
| 27.33937      | 9                     | 9                     |
| 27.41129      | 9                     | 9                     |
| 27.48321      | 9                     | 9                     |
| 27.67731      | 9                     | 9                     |
| 27.74577      | 8                     | 8                     |
| 27.81812      | 8                     | 8                     |
| 27.89351      | 8                     | 8                     |
| 27.9637       | 8                     | 8                     |
| 28.03302      | 7                     | 8                     |
| 28.10364      | 7                     | 7                     |
| 28.17383      | 7                     | 7                     |
| 28.24965      | 7                     | 7                     |
| 28.31984      | 7                     | 7                     |
| 28.39393      | 7                     | 7                     |
| 28.46282      | 8                     | 8                     |
| 28.53387      | 8                     | 8                     |
| 28.61533      | 8                     | 8                     |
| 28.68638      | 8                     | 8                     |
| 28.75744      | 8                     | 8                     |
| 28.82806      | 8                     | 8                     |
| 28.90041      | 8                     | 8                     |
| 28.9784       | 8                     | 8                     |
| 29.05076      | 8                     | 8                     |
| 29.12268      | 8                     | 8                     |
| 29.19547      | 8                     | 8                     |
| 29.26739      | 8                     | 8                     |
| 29.34711      | 8                     | 8                     |
| 29.41946      | 8                     | 8                     |
| 29.49225      | 8                     | 8                     |
| 29.56201      | 8                     | 8                     |
| 29.66556      | 8                     | 8                     |
| 29.74874      | 8                     | 8                     |
| 29.82153      | 8                     | 8                     |
| 29.90169      | 8                     | 8                     |

| Depth<br>(ft) | SBT FR<br>(Rob. 1986) | SBT PP<br>(Rob. 1986) |
|---------------|-----------------------|-----------------------|
| 29.97404      | 8                     | 8                     |
| 30.05333      | 8                     | 8                     |
| 30.12568      | 8                     | 8                     |
| 30.19804      | 8                     | 9                     |
| 30.27126      | 8                     | 9                     |
| 30.34405      | 8                     | 9                     |
| 30.4268       | 9                     | 9                     |
| 30.49786      | 9                     | 9                     |
| 30.57065      | 9                     | 9                     |
| 30.64343      | 9                     | 9                     |
| 30.71926      | 9                     | 9                     |
| 30.75825      | 9                     | 9                     |
| 30.8241       | 9                     | 9                     |
| 30.89949      | 9                     | 9                     |
| 30.97401      | 9                     | 9                     |
| 31.0468       | 9                     | 9                     |
| 31.11916      | 9                     | 9                     |
| 31.19238      | 9                     | 9                     |
| 31.27643      | 9                     | 9                     |
| 31.35095      | 9                     | 9                     |
| 31.42417      | 9                     | 9                     |
| 31.49826      | 9                     | 9                     |
| 31.57278      | 9                     | 9                     |
| 31.65294      | 9                     | 9                     |
| 31.72616      | 9                     | 9                     |
| 31.80241      | 9                     | 9                     |
| 31.8765       | 9                     | 9                     |
| 31.95016      | 9                     | 9                     |
| 32.03074      | 9                     | 9                     |
| 32.1057       | 10                    | 10                    |
| 32.17979      | 10                    | 10                    |
| 32.2556       | 9                     | 10                    |
| 32.33013      | 9                     | 10                    |
| 32.41462      | 9                     | 10                    |
| 32.5004       | 10                    | 10                    |
| 32.58792      | 10                    | 10                    |
| 32.65291      | 10                    | 10                    |
| 32.73003      | 10                    | 10                    |
| 32.79285      | 10                    | 10                    |
| 32.85351      | 10                    | 10                    |
| 32.92326      | 10                    | 10                    |
| 32.98869      | 10                    | 10                    |
| 33.06191      | 10                    | 10                    |
| 33.13037      | 10                    | 10                    |
| 33.19709      | 10                    | 10                    |

| Depth<br>(ft) | SBT FR<br>(Rob. 1986) | SBT PP<br>(Rob. 1986) |
|---------------|-----------------------|-----------------------|
| 33.26381      | 10                    | 10                    |
| 33.33053      | 10                    | 10                    |
| 33.40419      | 10                    | 10                    |
| 33.47091      | 10                    | 10                    |
| 33.53763      | 10                    | 10                    |
| 33.60436      | 10                    | 10                    |
| 33.67065      | 10                    | 10                    |
| 33.743        | 10                    | 10                    |
| 33.81016      | 10                    | 10                    |
| 33.87818      | 10                    | 10                    |
| 33.94707      | 9                     | 10                    |
| 34.03025      | 9                     | 10                    |
| 34.09005      | 9                     | 10                    |
| 34.15807      | 9                     | 10                    |
| 34.22392      | 9                     | 10                    |
| 34.28718      | 9                     | 10                    |
| 34.3513       | 10                    | 10                    |
| 34.41499      | 10                    | 10                    |
| 34.48605      | 10                    | 10                    |
| 34.55234      | 10                    | 10                    |
| 34.61603      | 10                    | 10                    |
| 34.68275      | 10                    | 10                    |
| 34.74947      | 10                    | 10                    |
| 34.82312      | 10                    | 10                    |
| 34.88985      | 9                     | 10                    |
| 34.95744      | 9                     | 10                    |
| 35.02589      | 8                     | 10                    |
| 35.10865      | 7                     | 10                    |
| 35.2031       | 7                     | 10                    |
| 35.27762      | 12                    | 9                     |
| 35.34391      | 12                    | 9                     |
| 35.4102       | 7                     | 9                     |
| 35.48862      | 8                     | 10                    |
| 35.55534      | 9                     | 10                    |
| 35.63116      | 9                     | 10                    |
| 35.70049      | 9                     | 10                    |
| 35.76894      | 9                     | 10                    |
| 35.84606      | 9                     | 10                    |
| 35.91365      | 9                     | 10                    |
| 35.98254      | 9                     | 10                    |
| 36.05099      | 9                     | 10                    |
| 36.11858      | 9                     | 10                    |
| 36.19484      | 9                     | 10                    |
| 36.2659       | 9                     | 10                    |
| 36.33565      | 8                     | 10                    |

| Depth<br>(ft) | SBT FR<br>(Rob. 1986) | SBT PP<br>(Rob. 1986) |
|---------------|-----------------------|-----------------------|
| 36.40411      | 7                     | 10                    |
| 36.47343      | 7                     | 9                     |
| 36.54838      | 7                     | 9                     |
| 36.61857      | 12                    | 9                     |
| 36.68789      | 12                    | 9                     |
| 36.75895      | 7                     | 9                     |
| 36.82697      | 7                     | 10                    |
| 36.90019      | 8                     | 9                     |
| 36.96735      | 9                     | 9                     |
| 37.0358       | 9                     | 10                    |
| 37.1008       | 9                     | 10                    |
| 37.32349      | 9                     | 10                    |
| 37.38762      | 9                     | 10                    |
| 37.45044      | 9                     | 10                    |
| 37.51109      | 9                     | 10                    |
| 37.57782      | 9                     | 10                    |
| 37.63631      | 10                    | 10                    |
| 37.69437      | 10                    | 10                    |
| 37.75112      | 10                    | 10                    |
| 37.81221      | 10                    | 10                    |
| 37.86897      | 10                    | 10                    |
| 37.92789      | 9                     | 10                    |
| 37.99028      | 9                     | 10                    |
| 38.05441      | 9                     | 10                    |
| 38.12416      | 9                     | 10                    |
| 38.19695      | 8                     | 9                     |
| 38.27104      | 8                     | 9                     |
| 38.34339      | 8                     | 9                     |
| 38.41445      | 8                     | 9                     |
| 38.48984      | 8                     | 10                    |
| 38.56219      | 8                     | 10                    |
| 38.62848      | 9                     | 10                    |
| 38.69174      | 9                     | 10                    |
| 38.74936      | 9                     | 10                    |
| 38.80655      | 9                     | 10                    |
| 38.85855      | 9                     | 10                    |
| 38.9101       | 9                     | 10                    |
| 38.96296      | 9                     | 10                    |
| 39.01712      | 9                     | 10                    |
| 39.07864      | 9                     | 10                    |
| 39.14363      | 9                     | 10                    |
| 39.20992      | 9                     | 10                    |
| 39.27491      | 10                    | 10                    |
| 39.3412       | 10                    | 10                    |
| 39.40966      | 10                    | 10                    |

| Depth<br>(ft) | SBT FR<br>(Rob. 1986) | SBT PP<br>(Rob. 1986) |
|---------------|-----------------------|-----------------------|
| 39.48288      | 10                    | 10                    |
| 39.55046      | 10                    | 10                    |
| 39.61719      | 10                    | 10                    |
| 39.68348      | 10                    | 10                    |
| 39.75367      | 10                    | 10                    |
| 39.81779      | 10                    | 10                    |
| 39.87845      | 10                    | 10                    |
| 39.93563      | 10                    | 10                    |
| 39.9911       | 10                    | 10                    |
| 40.05089      | 10                    | 10                    |
| 40.10634      | 10                    | 10                    |
| 40.16137      | 10                    | 10                    |
| 40.21683      | 10                    | 10                    |
| 40.27185      | 10                    | 10                    |
| 40.33164      | 10                    | 10                    |
| 40.5682       | 9                     | 10                    |
| 40.63493      | 9                     | 10                    |
| 40.70468      | 9                     | 10                    |
| 40.7727       | 9                     | 10                    |
| 40.84072      | 9                     | 10                    |
| 40.91741      | 9                     | 10                    |
| 40.98803      | 9                     | 10                    |
| 41.05692      | 9                     | 10                    |
| 41.12408      | 9                     | 10                    |
| 41.1908       | 9                     | 10                    |
| 41.26143      | 10                    | 10                    |
| 41.32598      | 10                    | 10                    |
| 41.39184      | 10                    | 10                    |
| 41.45552      | 10                    | 10                    |
| 41.52052      | 10                    | 10                    |
| 41.58984      | 10                    | 10                    |
| 41.65223      | 10                    | 10                    |
| 41.71332      | 10                    | 10                    |
| 41.77181      | 10                    | 10                    |
| 41.8277       | 10                    | 10                    |
| 41.88836      | 10                    | 10                    |
| 41.94295      | 10                    | 10                    |
| 41.99624      | 10                    | 10                    |
| 42.0491       | 10                    | 10                    |
| 42.10239      | 10                    | 10                    |
| 42.15958      | 10                    | 10                    |
| 42.21417      | 10                    | 10                    |
| 42.26876      | 10                    | 10                    |
| 42.32639      | 10                    | 10                    |
| 42.38531      | 10                    | 10                    |

| Depth<br>(ft) | SBT FR<br>(Rob. 1986) | SBT PP<br>(Rob. 1986) |
|---------------|-----------------------|-----------------------|
| 42.45333      | 10                    | 10                    |
| 42.51572      | 10                    | 10                    |
| 42.58115      | 10                    | 10                    |
| 42.6457       | 10                    | 10                    |
| 42.71199      | 9                     | 10                    |
| 42.78521      | 9                     | 10                    |
| 42.85367      | 9                     | 10                    |
| 42.92472      | 9                     | 10                    |
| 42.98841      | 9                     | 10                    |
| 43.08893      | 9                     | 10                    |
| 43.15348      | 9                     | 10                    |
| 43.21674      | 9                     | 10                    |
| 43.27783      | 9                     | 10                    |
| 43.34023      | 10                    | 10                    |
| 43.40305      | 10                    | 10                    |
| 43.46067      | 10                    | 10                    |
| 43.5196       | 10                    | 10                    |
| 43.73276      | 10                    | 10                    |
| 43.79082      | 10                    | 10                    |
| 43.84671      | 10                    | 10                    |
| 43.90347      | 10                    | 10                    |
| 43.95546      | 10                    | 10                    |
| 44.00702      | 10                    | 10                    |
| 44.06031      | 10                    | 10                    |
| 44.11187      | 10                    | 10                    |
| 44.16949      | 10                    | 10                    |
| 44.22365      | 10                    | 10                    |
| 44.27607      | 10                    | 10                    |
| 44.32936      | 10                    | 10                    |
| 44.38352      | 9                     | 10                    |
| 44.44591      | 9                     | 10                    |
| 44.49834      | 9                     | 10                    |
| 44.55206      | 9                     | 10                    |
| 44.60709      | 9                     | 10                    |
| 44.66731      | 9                     | 10                    |
| 44.73577      | 10                    | 10                    |
| 44.79772      | 10                    | 10                    |
| 44.86098      | 10                    | 10                    |
| 44.9303       | 10                    | 10                    |
| 45.01479      | 10                    | 10                    |
| 45.10577      | 10                    | 10                    |
| 45.20976      | 10                    | 10                    |
| 45.33107      | 10                    | 10                    |
| 45.41556      | 10                    | 10                    |
| 45.51304      | 9                     | 10                    |

| Depth<br>(ft) | SBT FR<br>(Rob. 1986) | SBT PP<br>(Rob. 1986) |
|---------------|-----------------------|-----------------------|
| 45.59926      | 9                     | 10                    |
| 45.68375      | 9                     | 10                    |
| 45.76303      | 9                     | 10                    |
| 45.84449      | 9                     | 10                    |
| 45.92291      | 9                     | 10                    |
| 45.99266      | 9                     | 10                    |
| 46.05765      | 9                     | 10                    |
| 46.12004      | 10                    | 10                    |
| 46.18027      | 10                    | 10                    |
| 46.24482      | 10                    | 10                    |
| 46.30461      | 10                    | 10                    |
| 46.367        | 10                    | 10                    |
| 46.42593      | 10                    | 10                    |
| 46.48485      | 10                    | 10                    |
| 46.54551      | 10                    | 10                    |
| 46.60443      | 10                    | 10                    |
| 46.66466      | 10                    | 10                    |
| 46.72661      | 10                    | 10                    |
| 46.9857       | 10                    | 10                    |
| 47.06369      | 10                    | 10                    |
| 47.14385      | 10                    | 10                    |
| 47.25692      | 10                    | 10                    |
| 47.33535      | 10                    | 10                    |
| 47.41637      | 10                    | 10                    |
| 47.49522      | 10                    | 10                    |
| 47.57148      | 10                    | 10                    |
| 47.64686      | 10                    | 10                    |
| 47.71099      | 10                    | 10                    |
| 47.76168      | 10                    | 10                    |
| 47.80024      | 10                    | 10                    |
| 47.80024      | 10                    | 10                    |